

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092123\
 Data File : VU055448.D
 Acq On : 21 Sep 2023 16:12
 Operator : MD/SY
 Sample : 04562-03MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCJL2MS

Quant Time: Sep 22 02:35:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 22 02:32:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	255745	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	259809	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	147625	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	103464	4.003	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.000%
7) Chloroethane-d5	1.911	69	102425	4.497	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.563	65	45225	4.251	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	4.624	46	256883	55.022	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.040%
24) Chloroform-d	5.059	84	238974	5.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.698	65	119401	5.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	5.724	84	453346	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.685	67	137088	5.049	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.894	98	413540	4.993	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
43) trans-1,3-Dichloroprop...	8.177	79	51263	5.380	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.600%
46) 2-Hexanone-d5	8.631	63	151364	52.225	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.440%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	109275	5.370	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	150356	5.046	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	118422	4.756	ug/L	100
3) Chloromethane	1.515	50	109600	5.004	ug/L	97
5) Vinyl chloride	1.602	62	117782	4.984	ug/L	98
6) Bromomethane	1.856	94	79168	5.275	ug/L	96
8) Chloroethane	1.930	64	76569	4.966	ug/L	100
9) Trichlorofluoromethane	2.133	101	162756	4.967	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	101366	5.083	ug/L	99
12) 1,1-Dichloroethene	2.576	96	88447	4.946	ug/L	93
13) Acetone	2.637	43	128334	48.222	ug/L	97
14) Carbon disulfide	2.789	76	504292	9.382	ug/L	98
15) Methyl Acetate	2.949	43	29447	4.853	ug/L	99
16) Methylene chloride	3.039	84	98718	4.608	ug/L	100
17) Methyl tert-butyl Ether	3.358	73	200708	5.174	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	90036	4.996	ug/L	98
19) 1,1-Dichloroethane	3.866	63	169490	5.085	ug/L	95
21) 2-Butanone	4.708	43	190458	48.794	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	102426	4.902	ug/L	94
23) Bromochloromethane	4.972	128	45363	5.136	ug/L	93
25) Chloroform	5.084	83	187732	5.319	ug/L	97

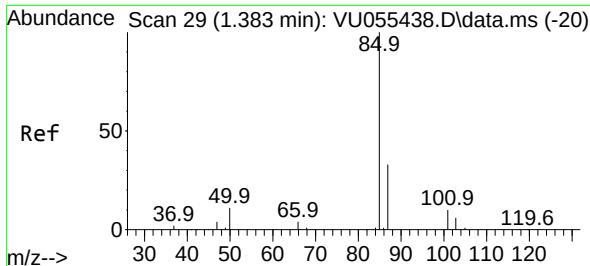
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092123\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	110646	5.112	ug/L	98
29) 1,1,1-Trichloroethane	5.313	97	154983	5.233	ug/L	99
30) Cyclohexane	5.386	56	137800	5.083	ug/L	99
31) Carbon tetrachloride	5.522	117	135600	5.341	ug/L	97
33) Benzene	5.769	78	393823	5.267	ug/L	100
34) Trichloroethene	6.538	95	279557	13.217	ug/L	98
35) Methylcyclohexane	6.759	83	156587	5.139	ug/L	99
37) 1,2-Dichloropropane	6.785	63	102328	5.232	ug/L	99
38) Bromodichloromethane	7.100	83	119779	5.227	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	139274	5.336	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	453181	51.085	ug/L	98
42) Toluene	7.965	91	422036	5.291	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	112087	5.367	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	73528	5.362	ug/L	96
47) Tetrachloroethene	8.550	164	82688	5.450	ug/L	97
48) 2-Hexanone	8.682	43	360925	52.496	ug/L	98
49) Dibromochloromethane	8.804	129	76314	5.309	ug/L	95
50) 1,2-Dibromoethane	8.920	107	65645	5.159	ug/L	95
51) Chlorobenzene	9.444	112	263409	5.156	ug/L	99
52) Ethylbenzene	9.566	91	442798	5.178	ug/L	99
53) m,p-Xylene	9.692	106	172084	5.370	ug/L	100
54) o-Xylene	10.097	106	161826	5.194	ug/L	94
55) Styrene	10.113	104	272335	5.406	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	79270	5.121	ug/L	97
59) Bromoform	10.287	173	40500	5.118	ug/L	98
60) Isopropylbenzene	10.483	105	434270	5.104	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	56751	4.925	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	344811	5.068	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	334181	5.018	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	205464	5.044	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	204505	5.023	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	186296	4.988	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	10699	5.356	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	136496	4.866	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	99769	4.665	ug/L	99
71) Naphthalene	14.084	128	135164	4.366	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	86726	4.660	ug/L	99

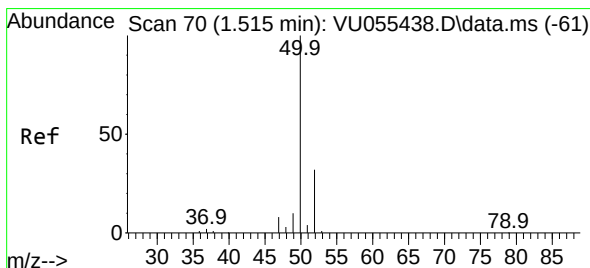
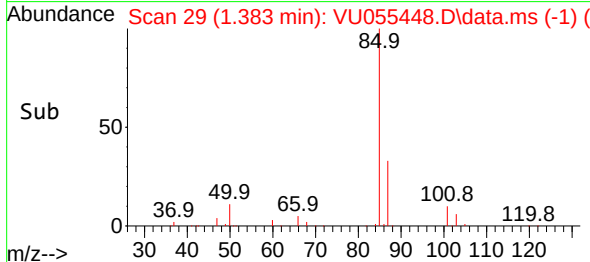
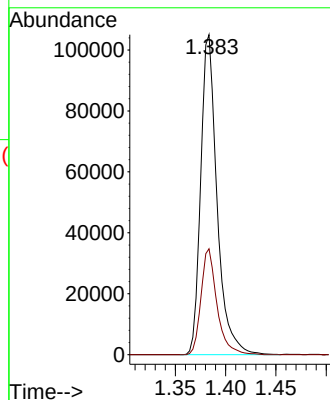
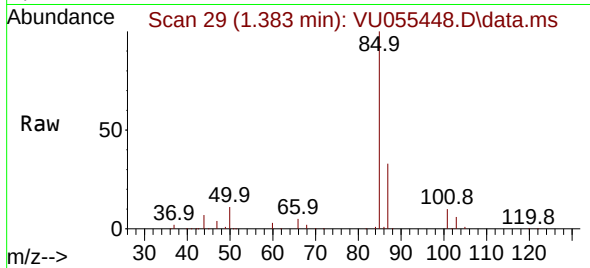
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.756 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

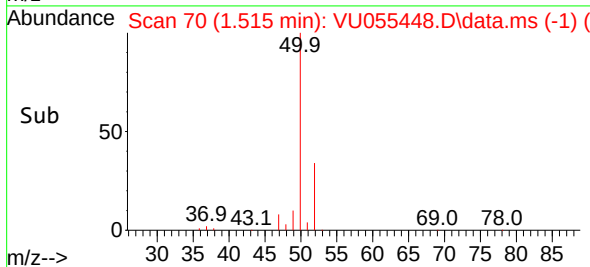
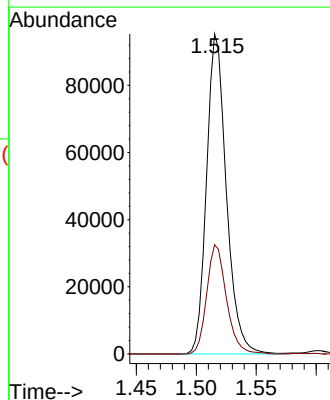
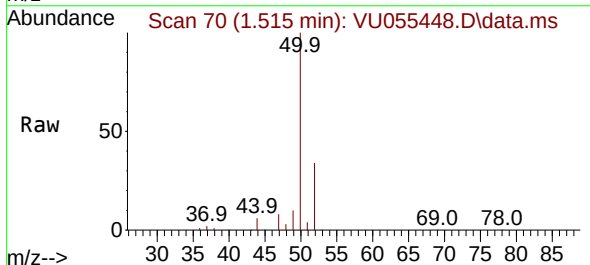
Instrument :
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 ClientSampleId :
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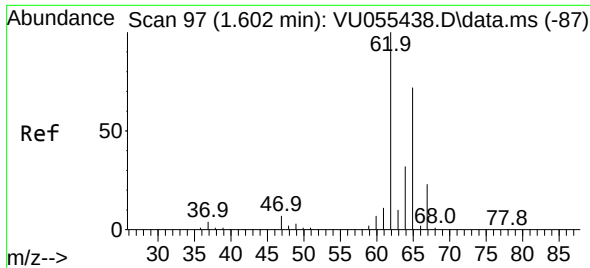
Tgt Ion: 85 Resp: 118422
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.0 39.0



#3
 Chloromethane
 Concen: 5.004 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

Tgt Ion: 50 Resp: 109600
 Ion Ratio Lower Upper
 50 100
 52 34.1 22.9 42.5

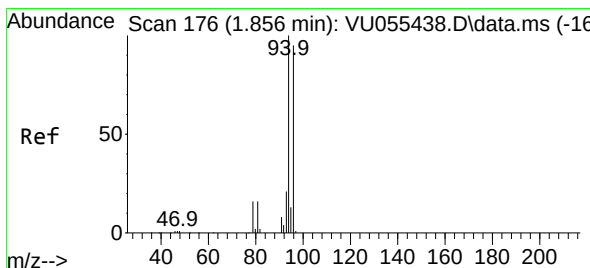
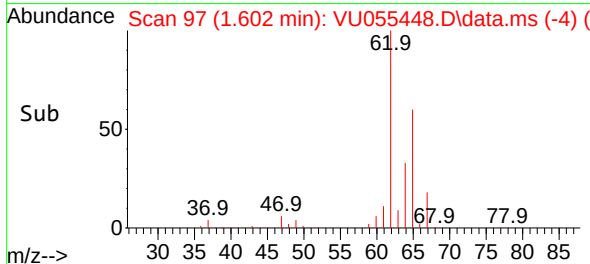
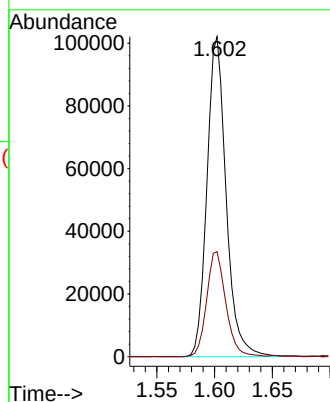
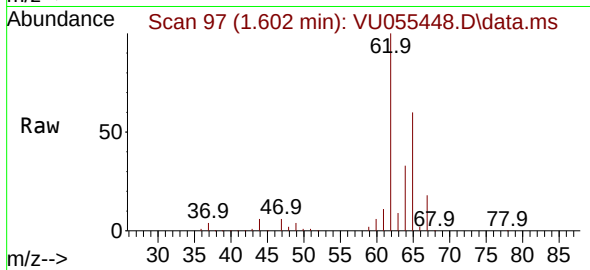




#5
 Vinyl chloride
 Concen: 4.984 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

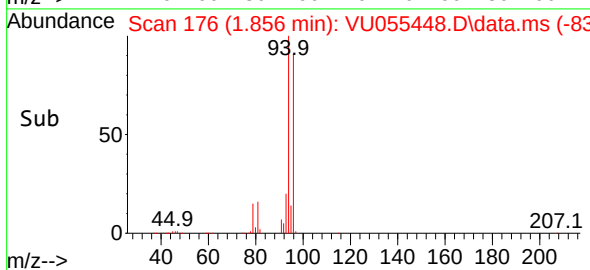
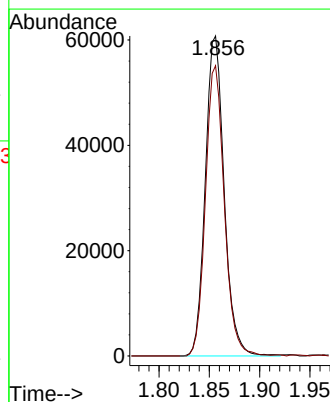
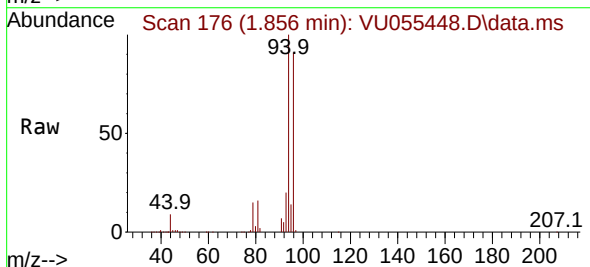
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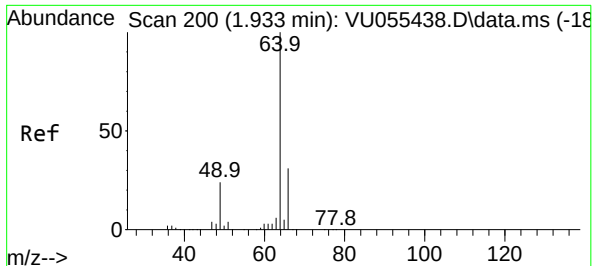
Tgt Ion: 62 Resp: 117782
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.3 41.5



#6
 Bromomethane
 Concen: 5.275 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

Tgt Ion: 94 Resp: 79168
 Ion Ratio Lower Upper
 94 100
 96 90.7 66.4 123.2

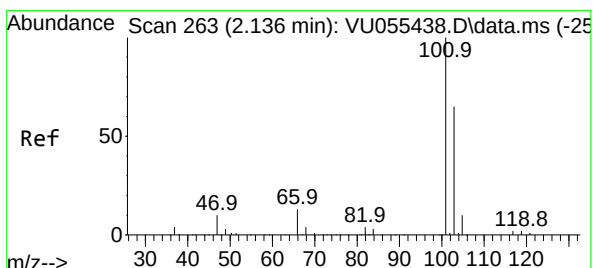
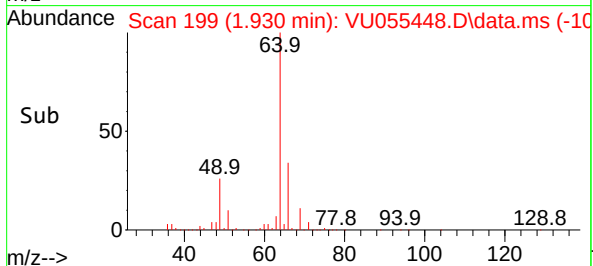
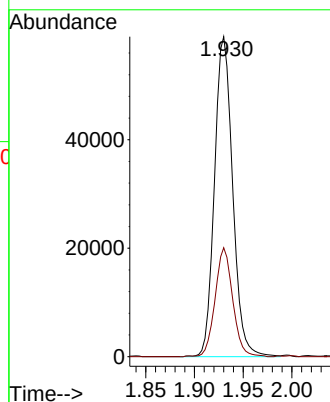
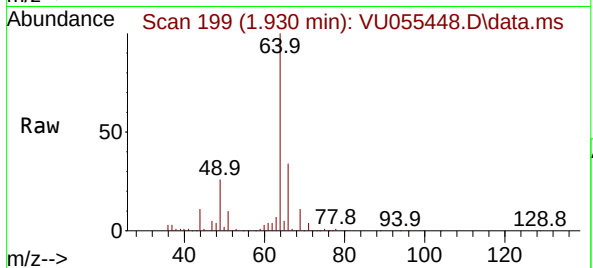




#8
Chloroethane
Concen: 4.966 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

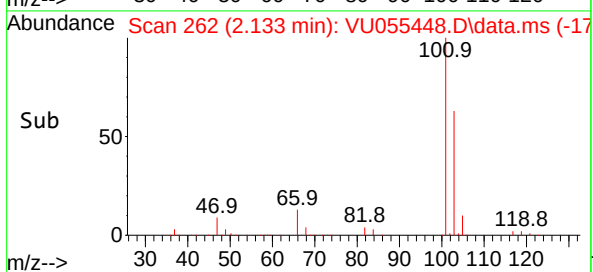
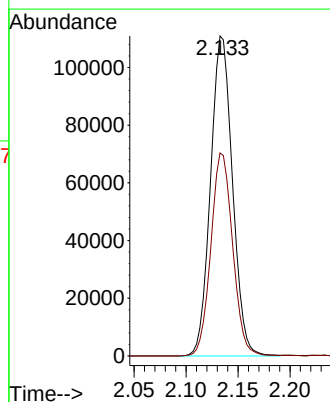
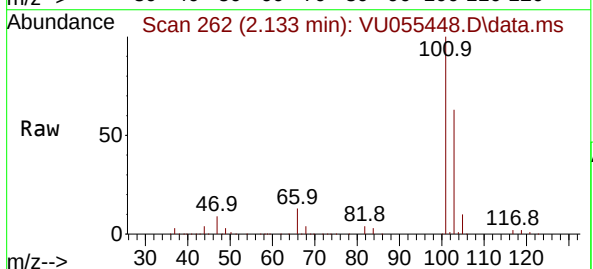
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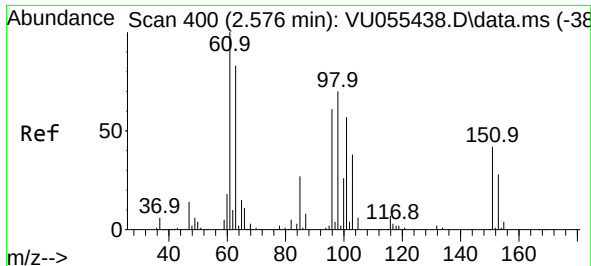
Tgt Ion: 64 Resp: 76569
Ion Ratio Lower Upper
64 100
66 34.0 23.7 44.1



#9
Trichlorofluoromethane
Concen: 4.967 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion:101 Resp: 162756
Ion Ratio Lower Upper
101 100
103 63.1 52.0 78.0

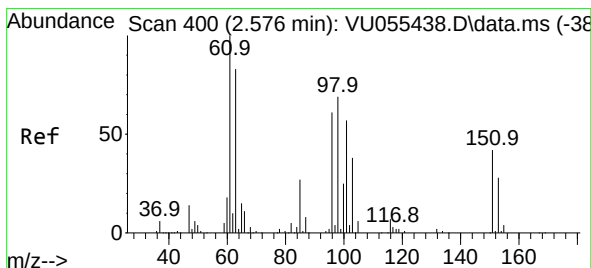
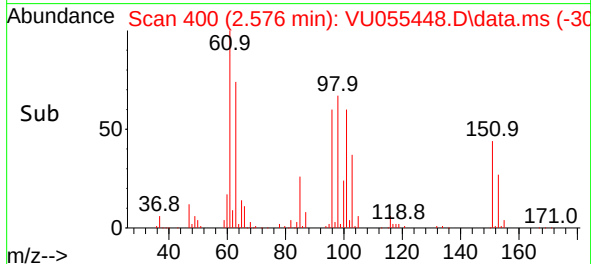
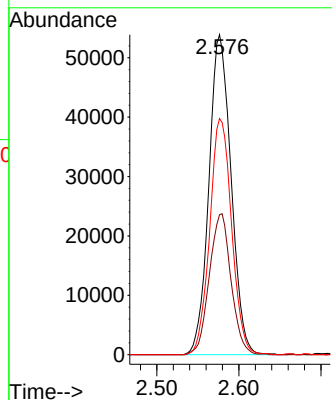
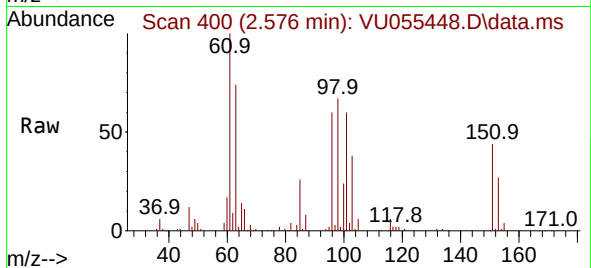




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.083 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

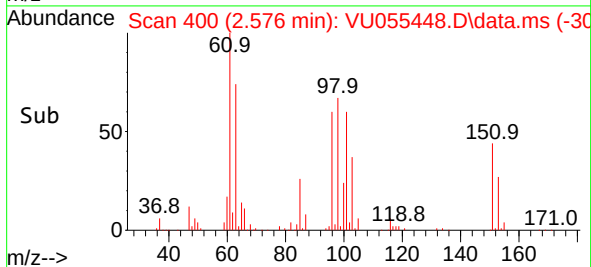
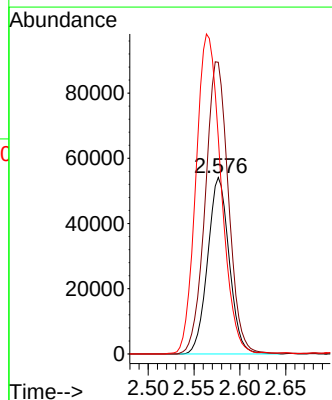
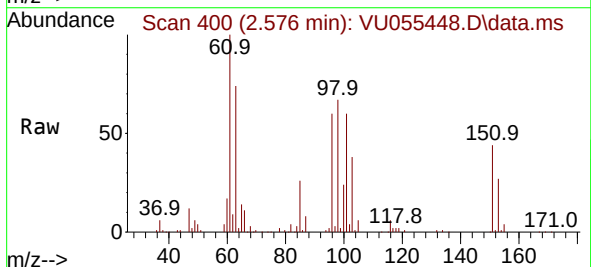
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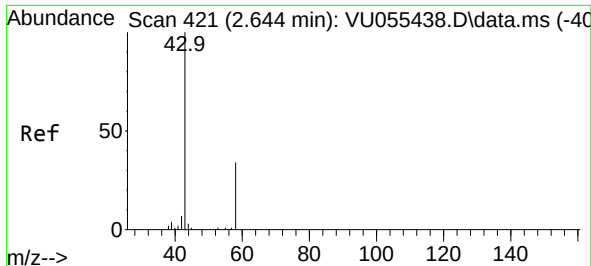
Tgt Ion:101 Resp: 101366
 Ion Ratio Lower Upper
 101 100
 85 43.2 35.8 53.6
 151 72.9 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 4.946 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

Tgt Ion: 96 Resp: 88447
 Ion Ratio Lower Upper
 96 100
 61 165.3 114.5 212.7
 63 122.7 98.3 182.5





#13

Acetone

Concen: 48.222 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.006 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

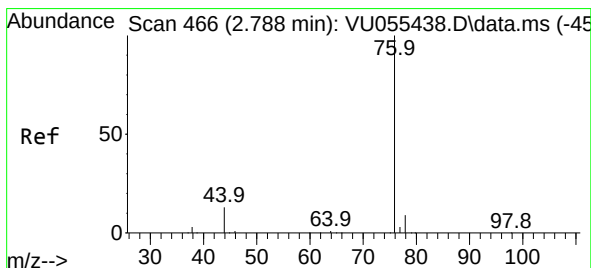
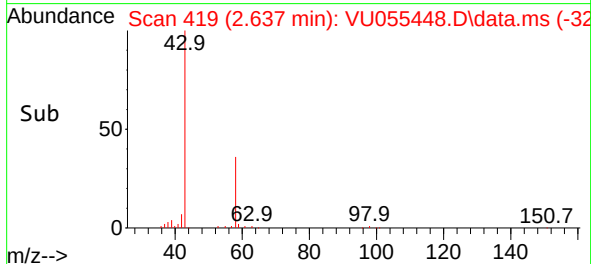
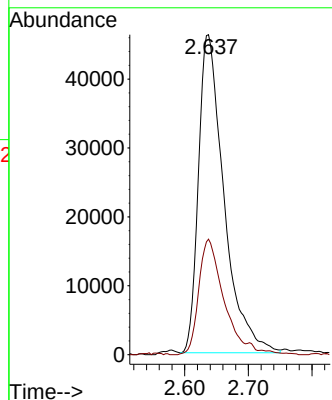
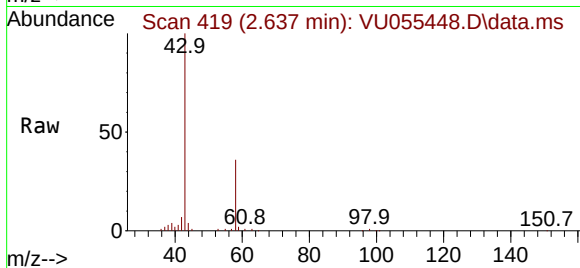
DCJL2MS

Tgt Ion: 43 Resp: 128334

Ion Ratio Lower Upper

43 100

58 34.5 0.0 72.2



#14

Carbon disulfide

Concen: 9.382 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU055448.D

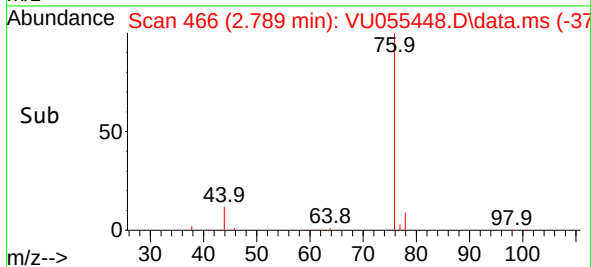
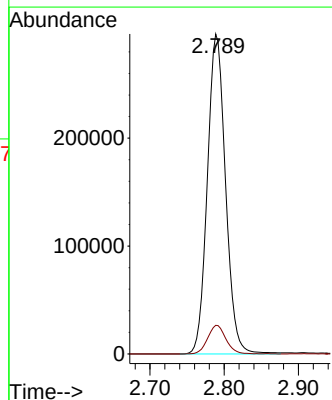
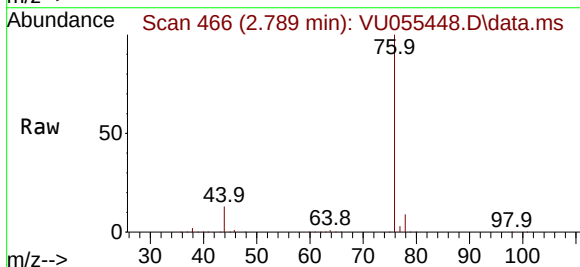
Acq: 21 Sep 2023 16:12

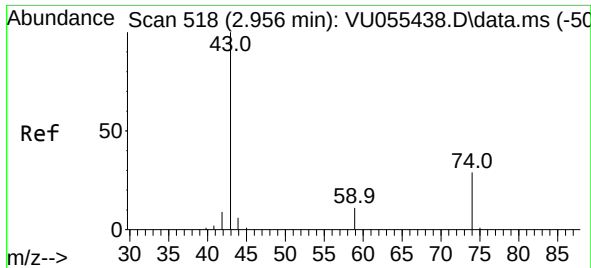
Tgt Ion: 76 Resp: 504292

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

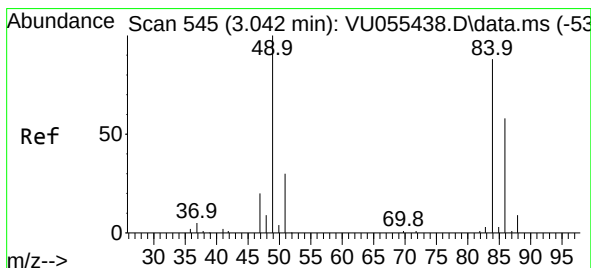
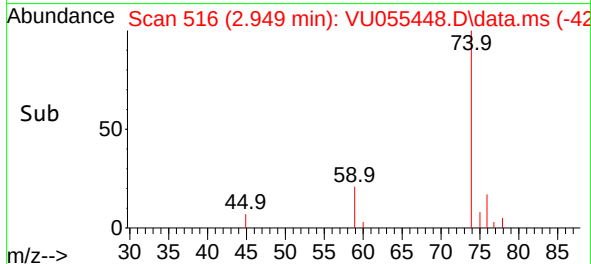
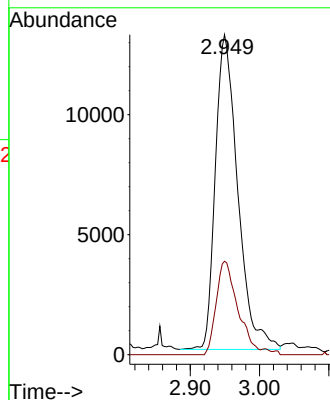
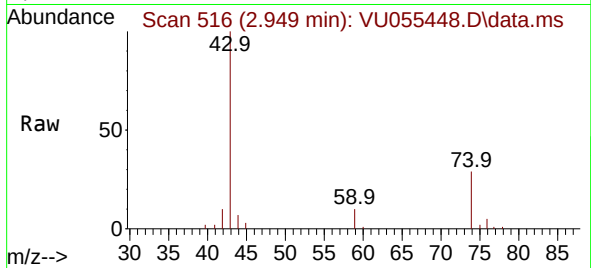




#15
Methyl Acetate
Concen: 4.853 ug/L
RT: 2.949 min Scan# 518
Delta R.T. -0.006 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

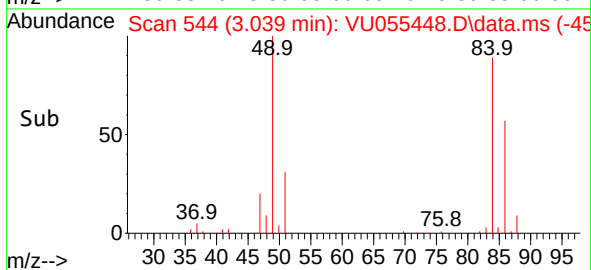
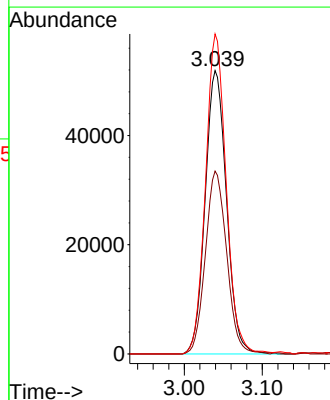
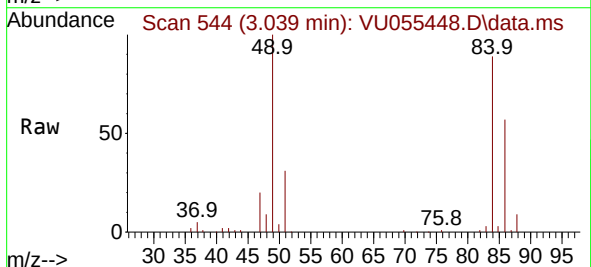
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

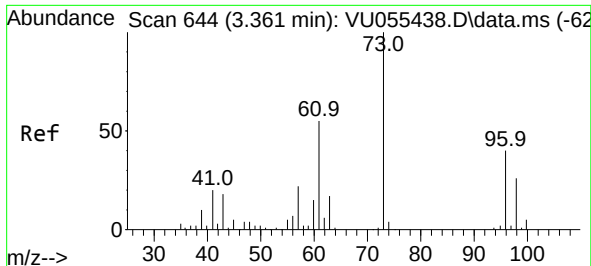
Tgt Ion: 43 Resp: 29447
Ion Ratio Lower Upper
43 100
74 28.4 22.3 33.5



#16
Methylene chloride
Concen: 4.608 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion: 84 Resp: 98718
Ion Ratio Lower Upper
84 100
86 64.6 44.9 83.3
49 112.9 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 5.174 ug/L

RT: 3.358 min Scan# 64

Delta R.T. -0.003 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

DCJL2MS

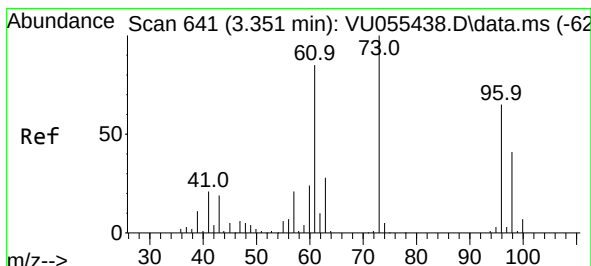
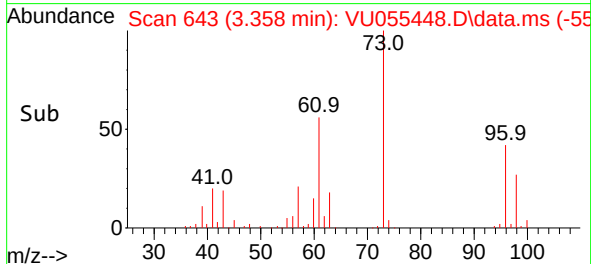
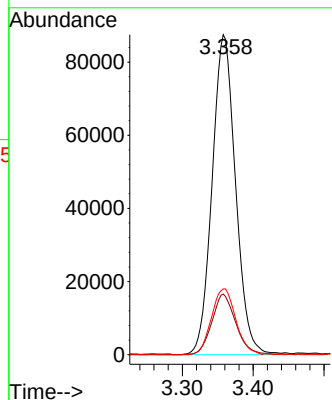
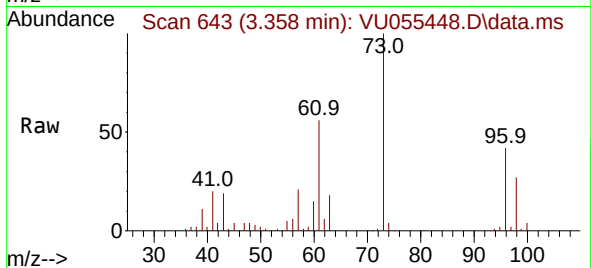
Tgt Ion: 73 Resp: 200708

Ion Ratio Lower Upper

73 100

43 19.4 14.9 22.3

57 21.3 17.3 25.9



#18

trans-1,2-Dichloroethene

Concen: 4.996 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

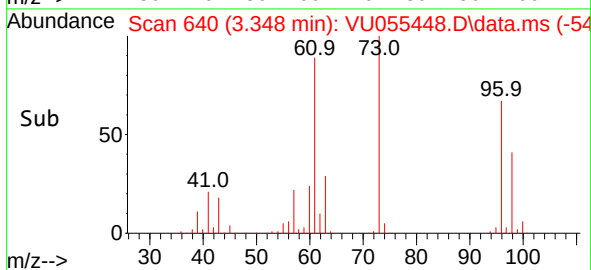
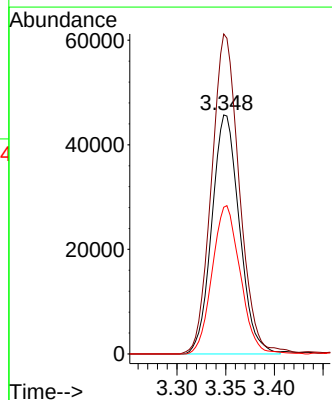
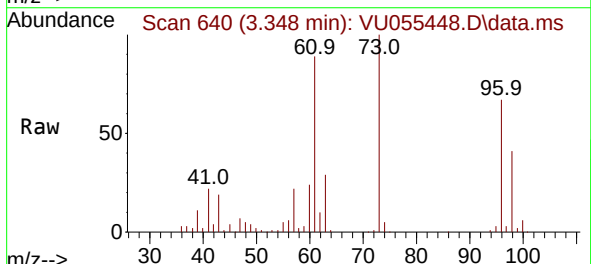
Tgt Ion: 96 Resp: 90036

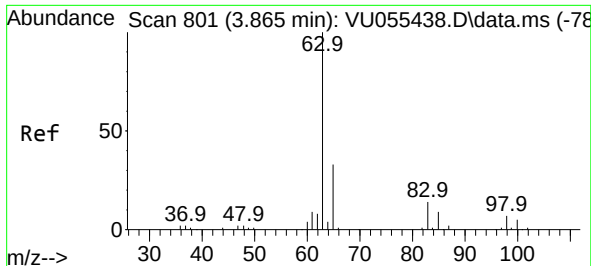
Ion Ratio Lower Upper

96 100

61 133.9 94.6 175.6

98 61.4 45.7 84.9





#19

1,1-Dichloroethane

Concen: 5.085 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

DCJL2MS

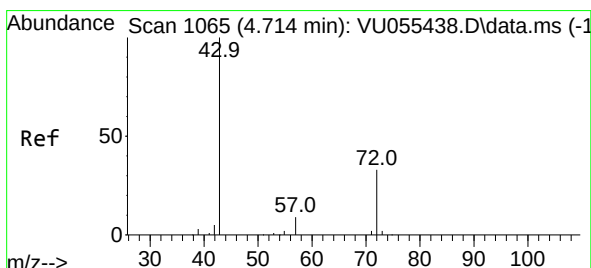
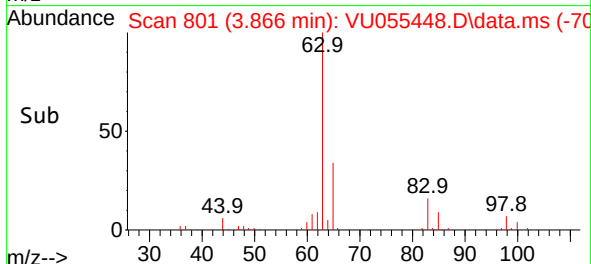
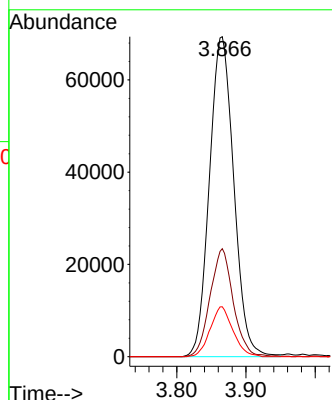
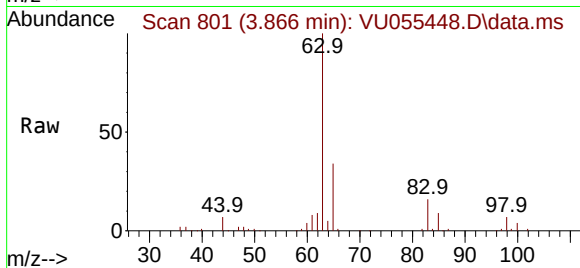
Tgt Ion: 63 Resp: 169490

Ion Ratio Lower Upper

63 100

65 34.6 22.0 41.0

83 15.6 10.1 18.9



#21

2-Butanone

Concen: 48.794 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.006 min

Lab File: VU055448.D

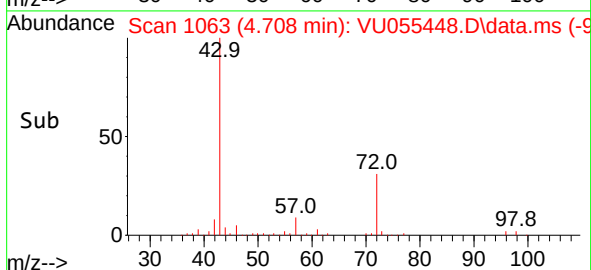
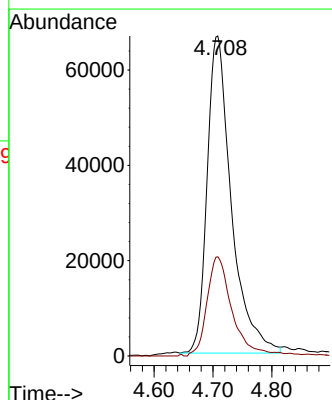
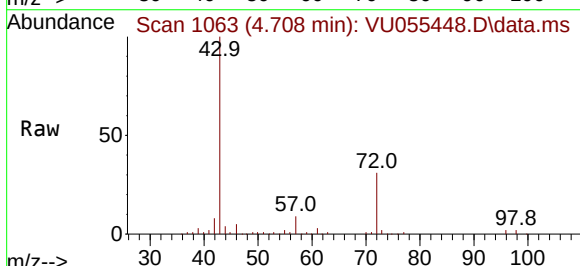
Acq: 21 Sep 2023 16:12

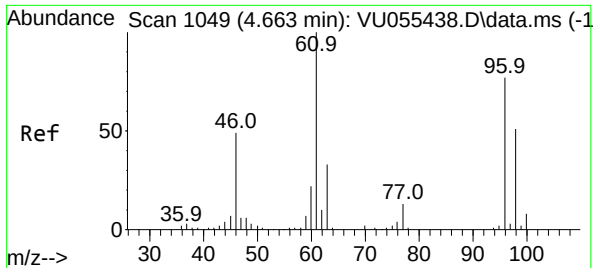
Tgt Ion: 43 Resp: 190458

Ion Ratio Lower Upper

43 100

72 31.9 15.1 45.3





#22

cis-1,2-Dichloroethene

Concen: 4.902 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

DCJL2MS

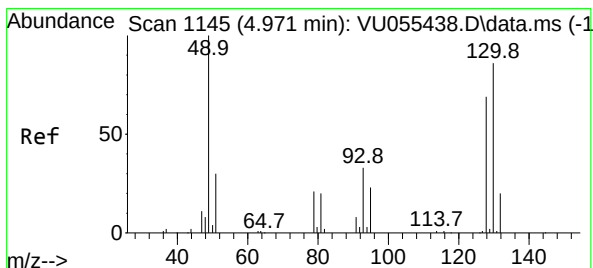
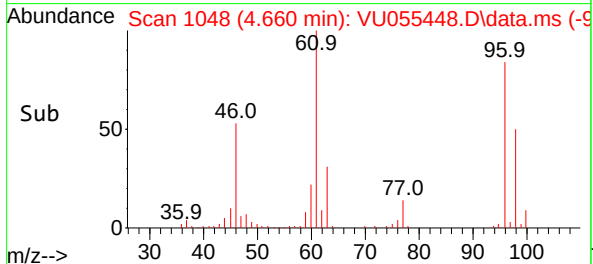
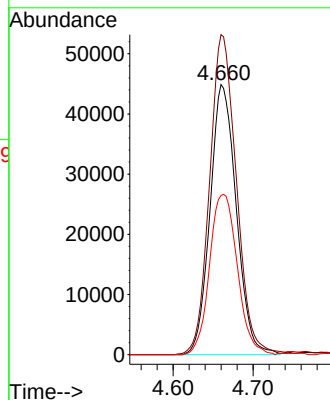
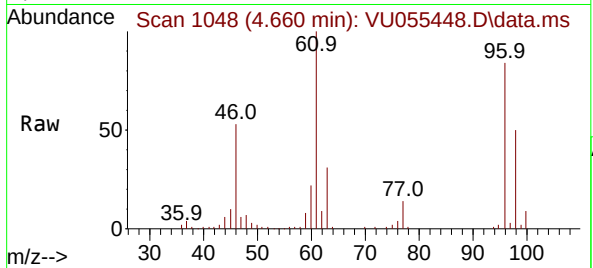
Tgt Ion: 96 Resp: 102426

Ion Ratio Lower Upper

96 100

61 118.5 87.8 163.2

98 58.9 44.4 82.4



#23

Bromochloromethane

Concen: 5.136 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Tgt Ion:128 Resp: 45363

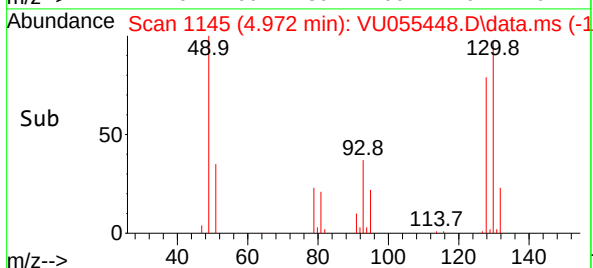
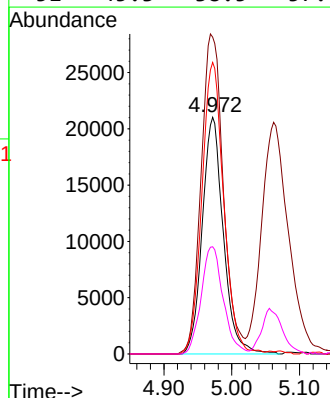
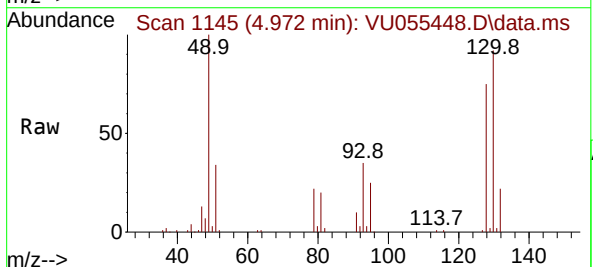
Ion Ratio Lower Upper

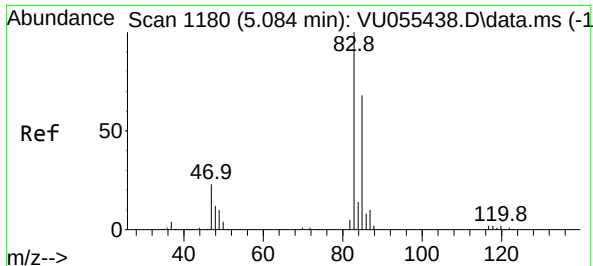
128 100

49 133.8 102.8 191.0

130 123.1 89.9 166.9

51 45.3 38.5 57.7





#25

Chloroform

Concen: 5.319 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

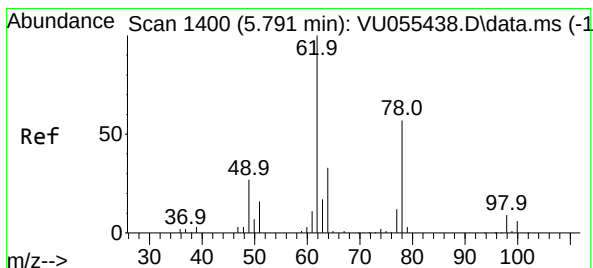
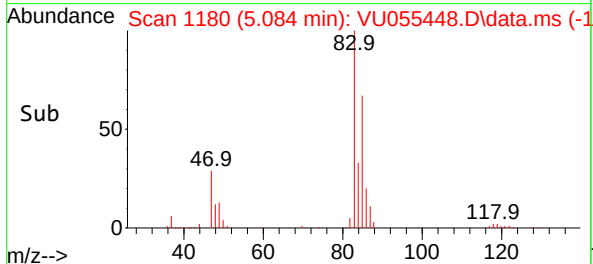
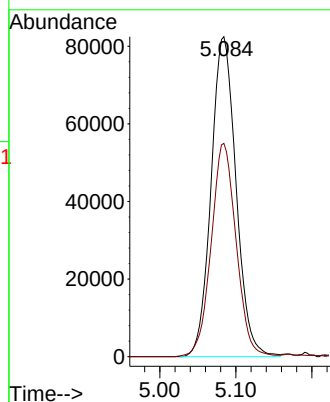
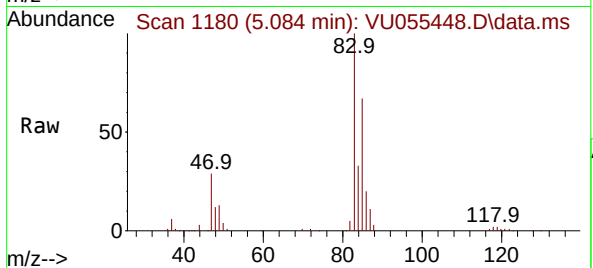
DCJL2MS

Tgt Ion: 83 Resp: 187732

Ion Ratio Lower Upper

83 100

85 66.7 44.9 83.5



#27

1,2-Dichloroethane

Concen: 5.112 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055448.D

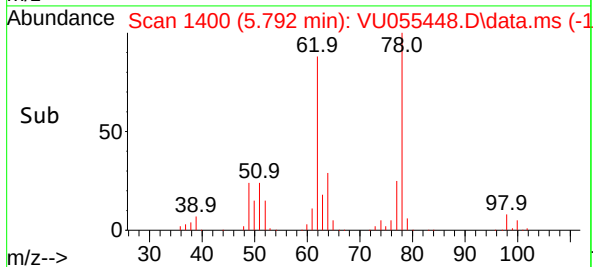
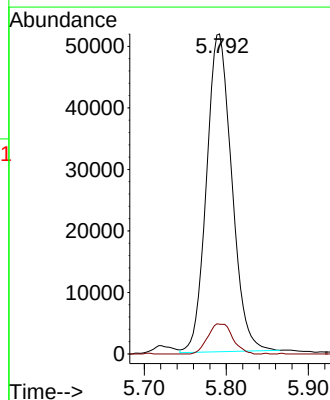
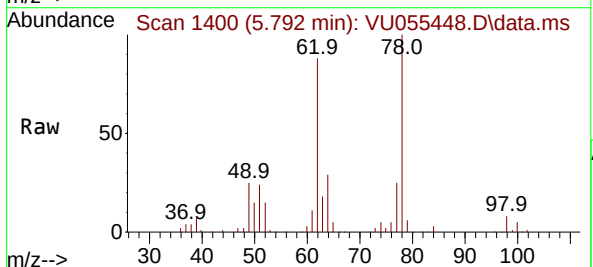
Acq: 21 Sep 2023 16:12

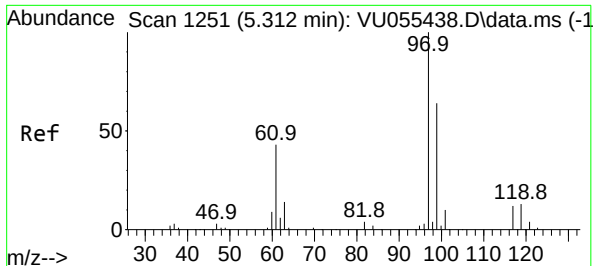
Tgt Ion: 62 Resp: 110646

Ion Ratio Lower Upper

62 100

98 9.3 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.233 ug/L

RT: 5.313 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

DCJL2MS

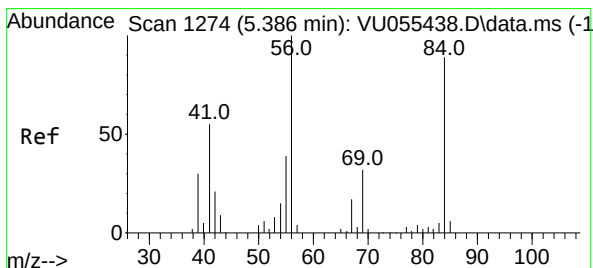
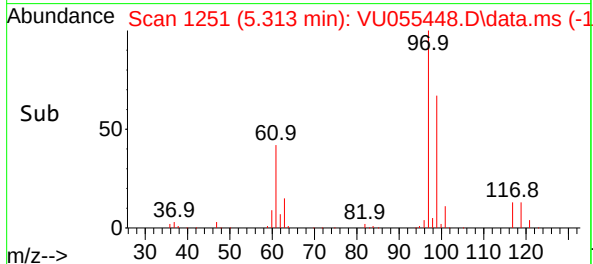
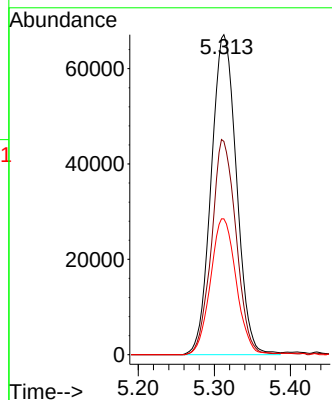
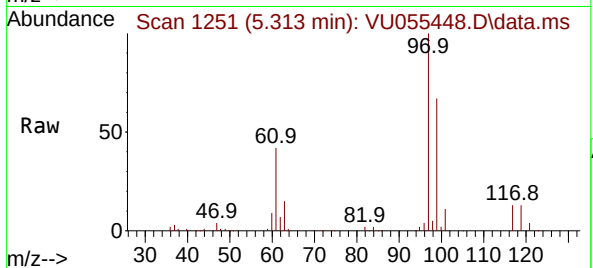
Tgt Ion: 97 Resp: 154983

Ion Ratio Lower Upper

97 100

99 65.2 50.7 76.1

61 43.3 34.6 51.8



#30

Cyclohexane

Concen: 5.083 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

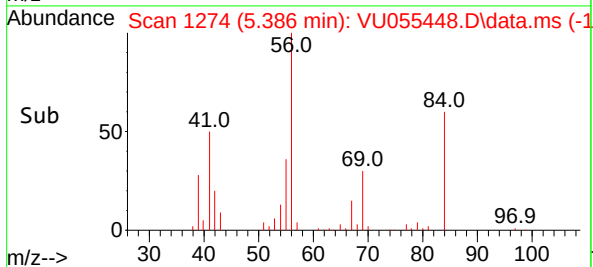
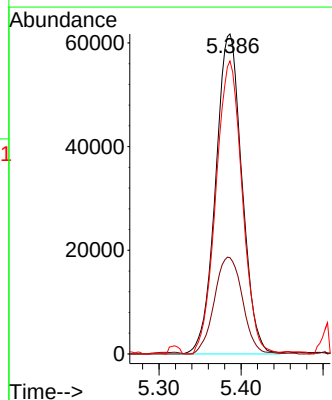
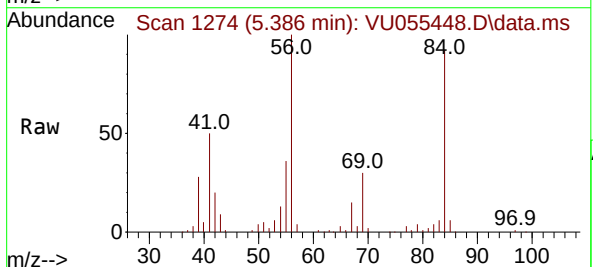
Tgt Ion: 56 Resp: 137800

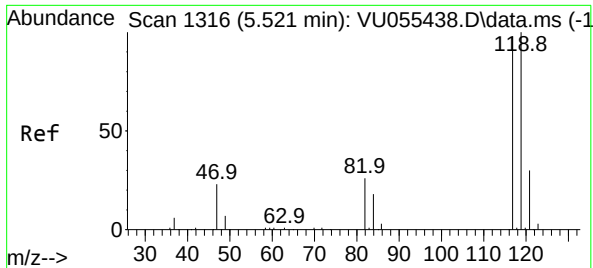
Ion Ratio Lower Upper

56 100

69 32.3 26.5 39.7

84 91.4 72.6 108.8

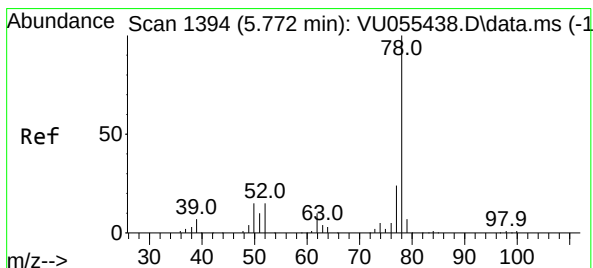
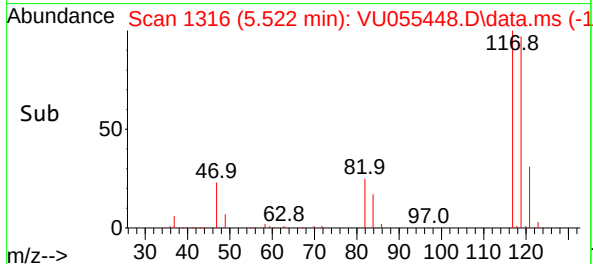
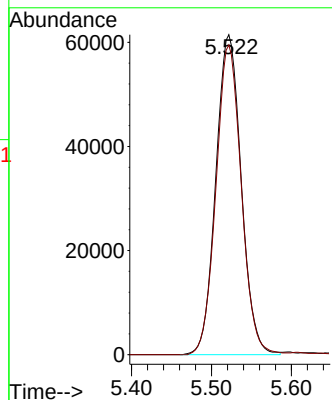
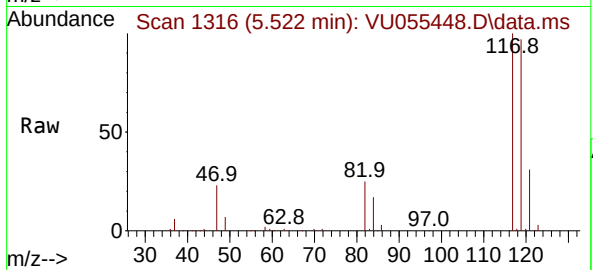




#31
Carbon tetrachloride
Concen: 5.341 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

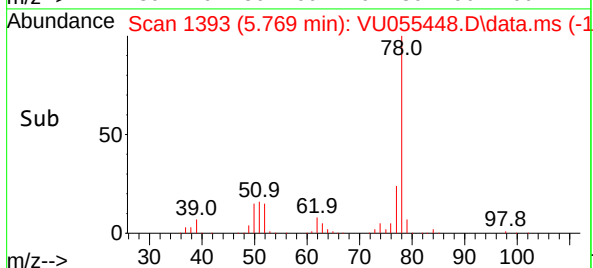
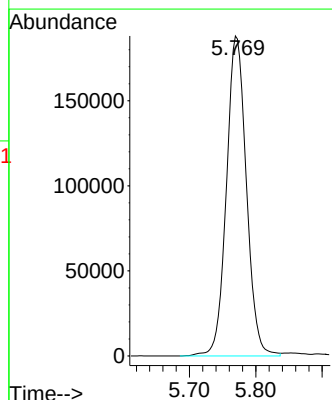
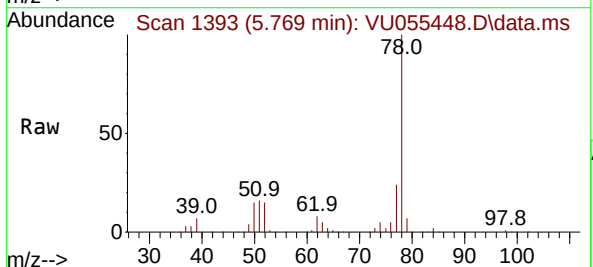
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

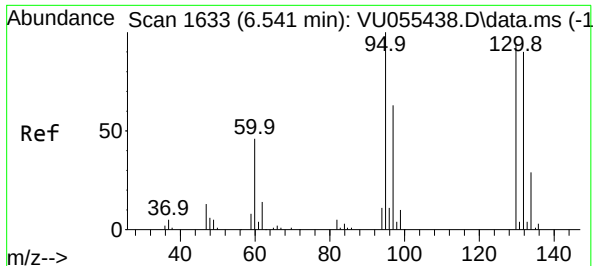
Tgt Ion:117 Resp: 135600
Ion Ratio Lower Upper
117 100
119 96.4 75.2 112.8



#33
Benzene
Concen: 5.267 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion: 78 Resp: 393823

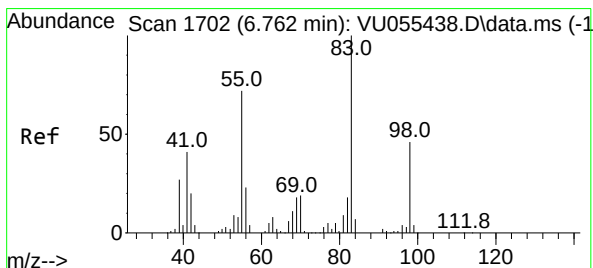
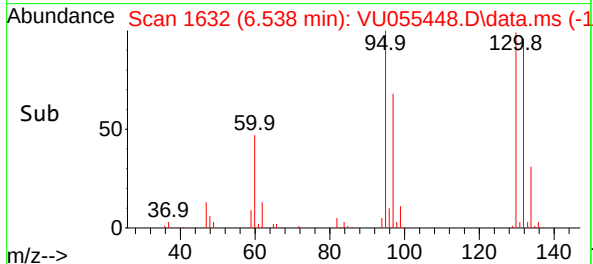
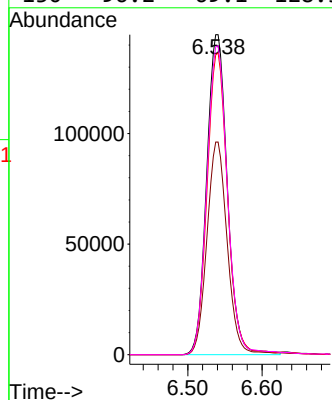
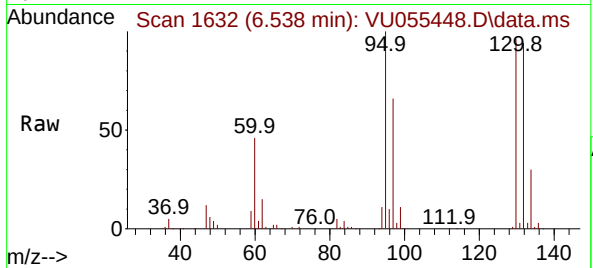




#34
Trichloroethene
Concen: 13.217 ug/L
RT: 6.538 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

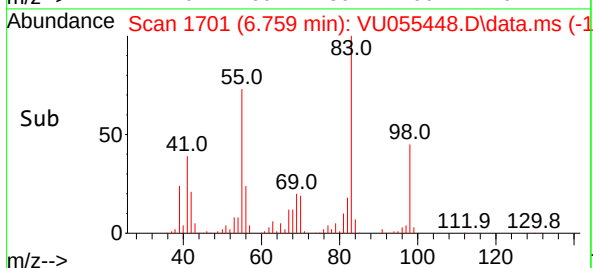
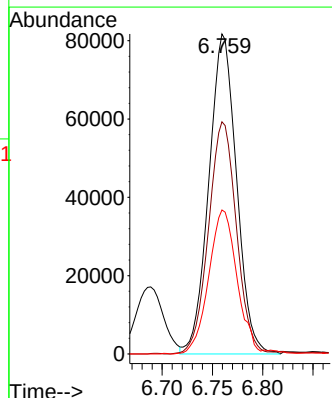
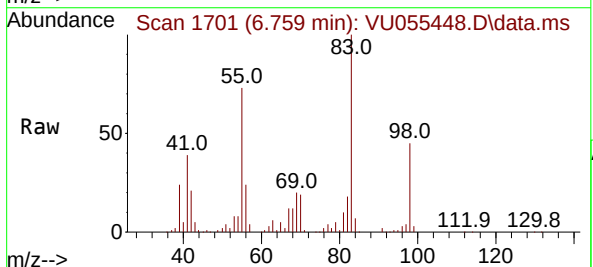
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

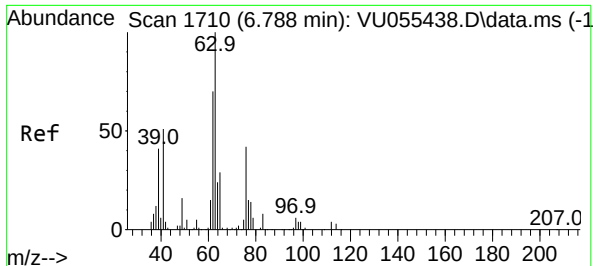
Tgt Ion: 95 Resp: 279557
Ion Ratio Lower Upper
95 100
97 66.5 45.4 84.2
132 93.7 65.2 121.2
130 96.2 69.1 128.3



#35
Methylcyclohexane
Concen: 5.139 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion: 83 Resp: 156587
Ion Ratio Lower Upper
83 100
55 73.1 59.1 88.7
98 46.5 36.3 54.5





#37

1,2-Dichloropropane

Concen: 5.232 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

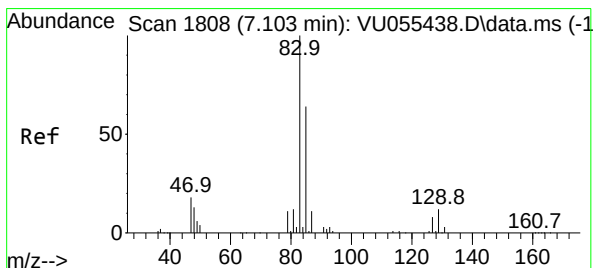
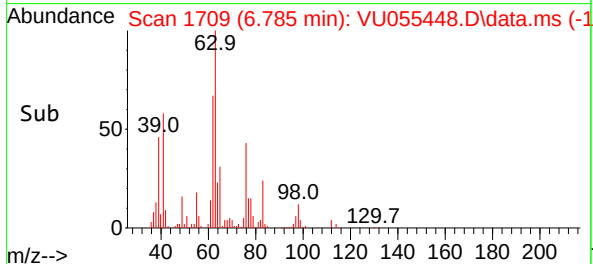
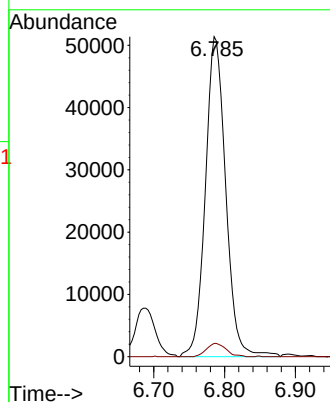
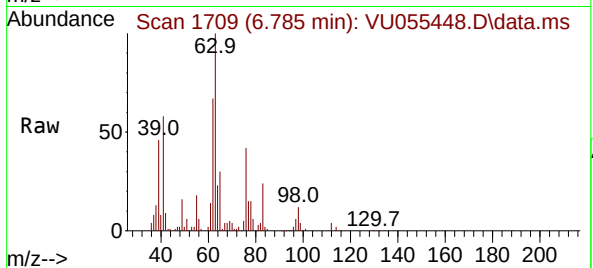
DCJL2MS

Tgt Ion: 63 Resp: 102328

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#38

Bromodichloromethane

Concen: 5.227 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

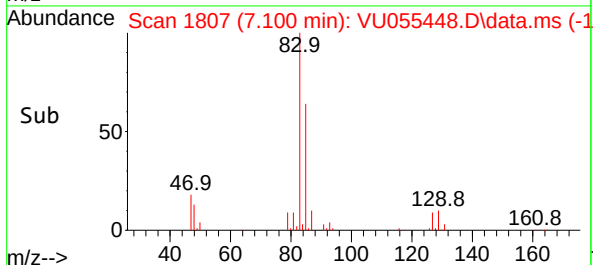
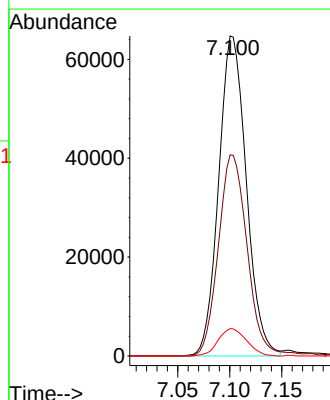
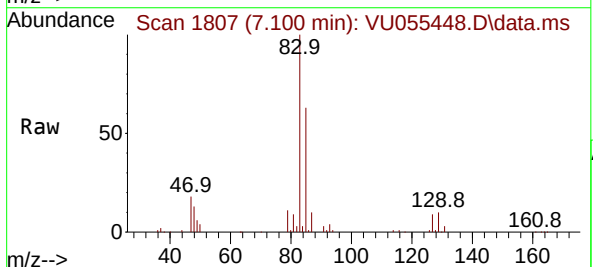
Tgt Ion: 83 Resp: 119779

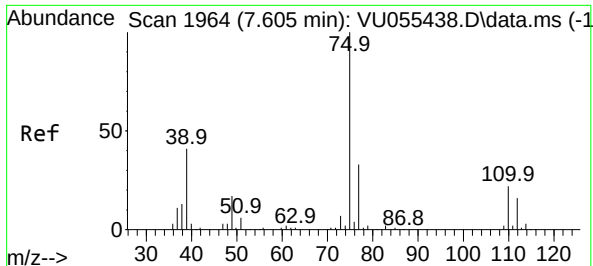
Ion Ratio Lower Upper

83 100

85 62.9 46.8 86.8

127 8.5 7.2 10.8

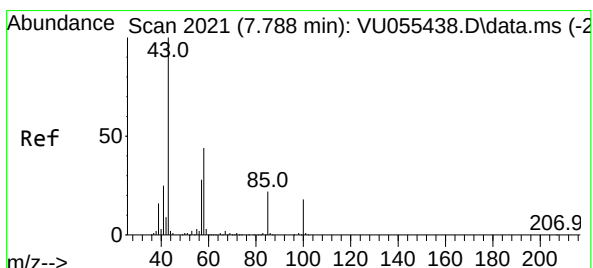
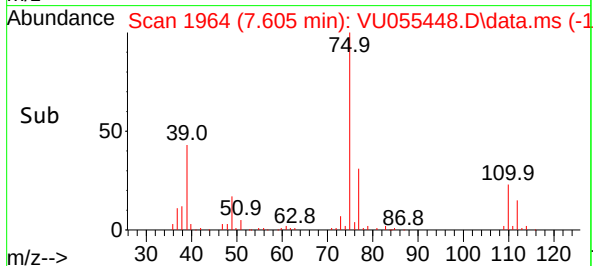
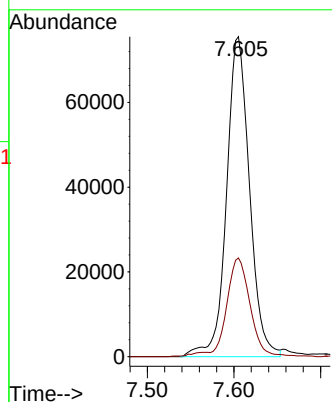
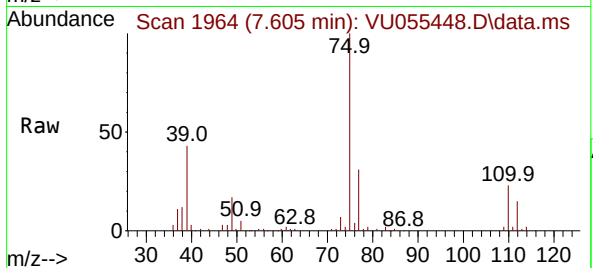




#39
 cis-1,3-Dichloropropene
 Concen: 5.336 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

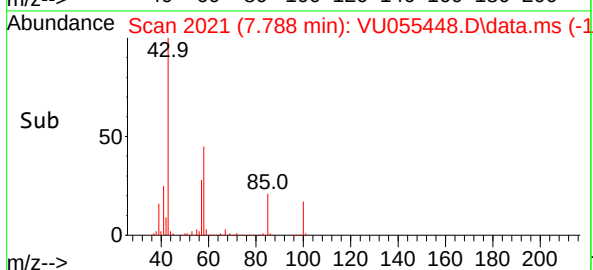
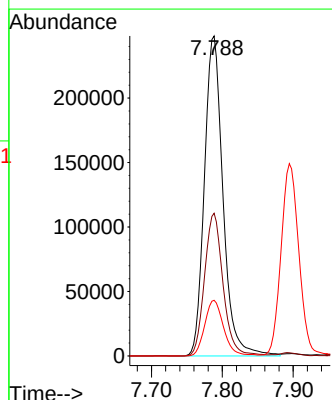
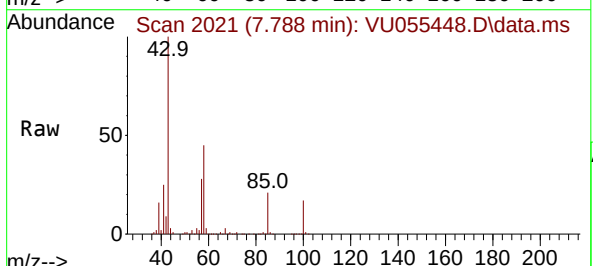
Instrument :
 MSVOA_U
 ClientSampleId :
 DCJL2MS

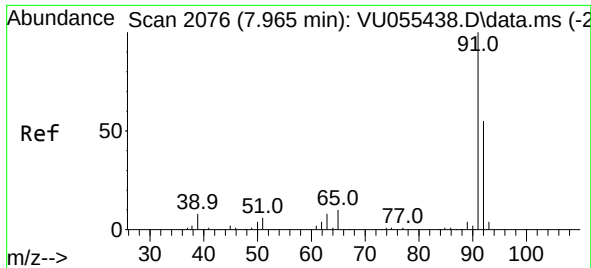
Tgt Ion: 75 Resp: 139274
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 51.085 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.000 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

Tgt Ion: 43 Resp: 453181
 Ion Ratio Lower Upper
 43 100
 58 44.4 34.2 51.4
 100 17.7 13.4 20.0





#42

Toluene

Concen: 5.291 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

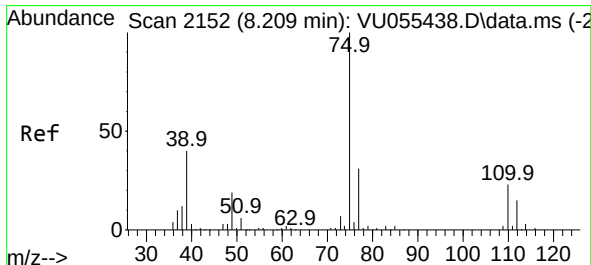
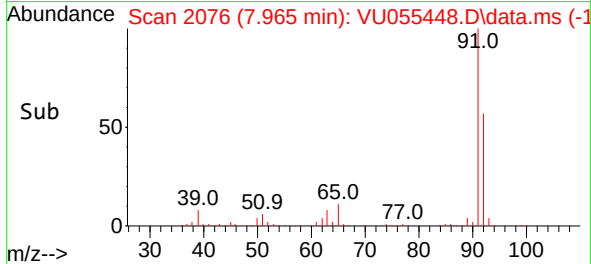
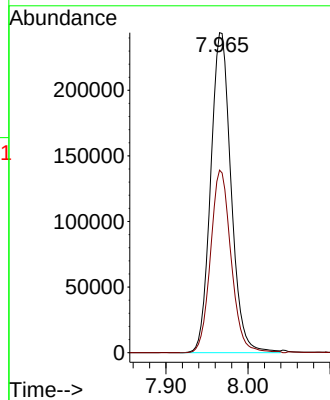
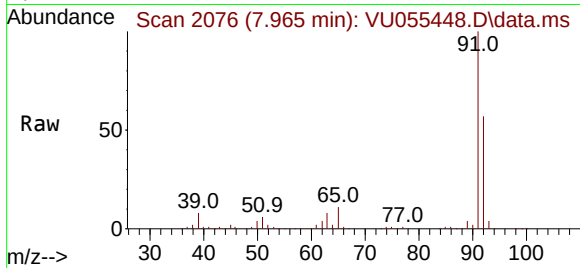
DCJL2MS

Tgt Ion: 91 Resp: 422036

Ion Ratio Lower Upper

91 100

92 57.1 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.367 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU055448.D

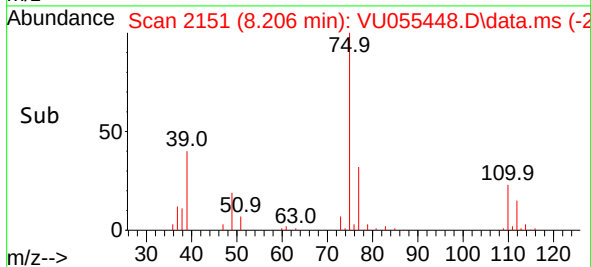
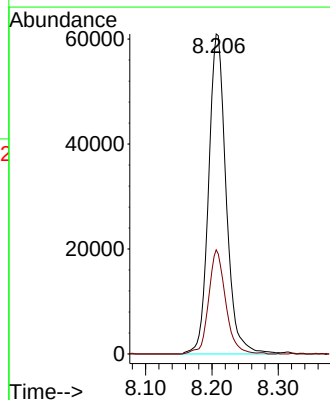
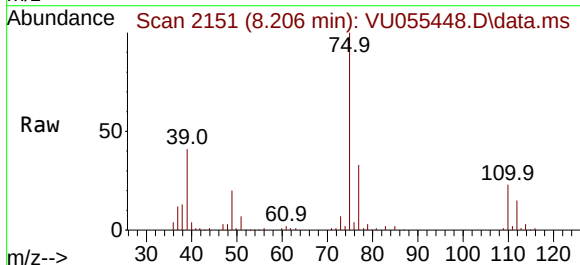
Acq: 21 Sep 2023 16:12

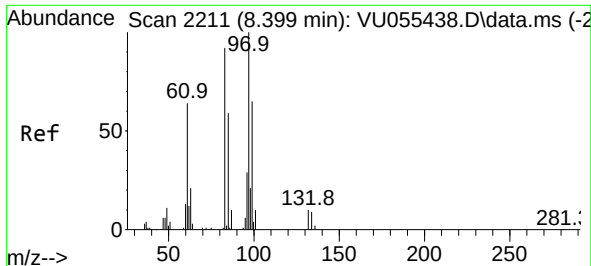
Tgt Ion: 75 Resp: 112087

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.4

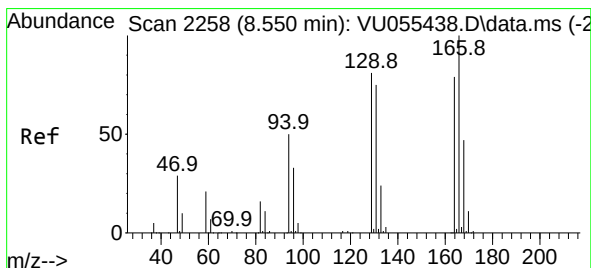
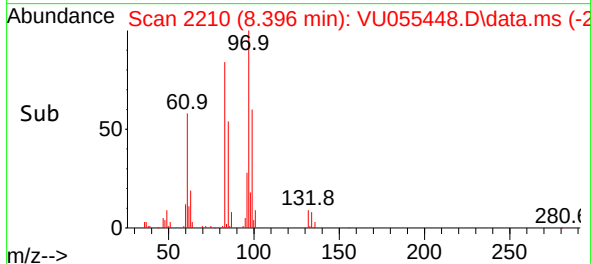
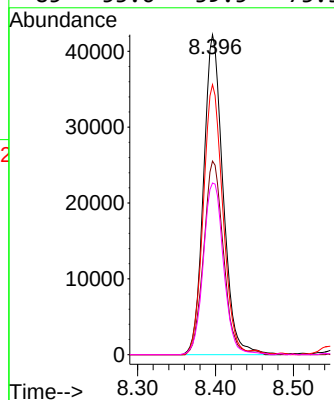
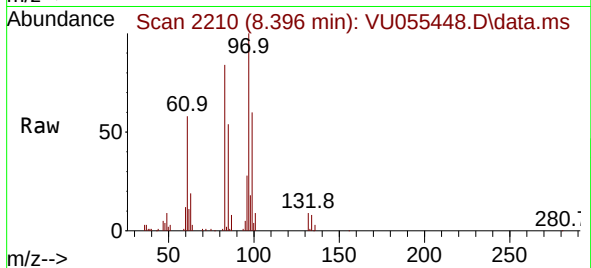




#45
1,1,2-Trichloroethane
Concen: 5.362 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

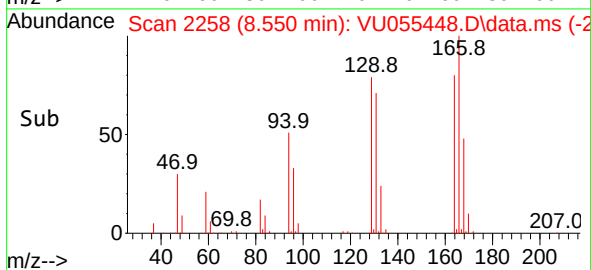
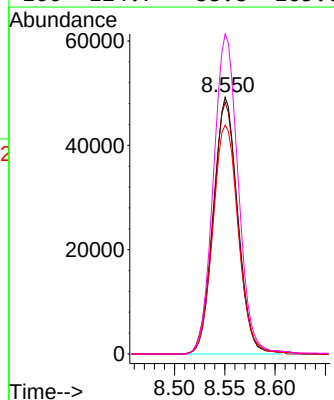
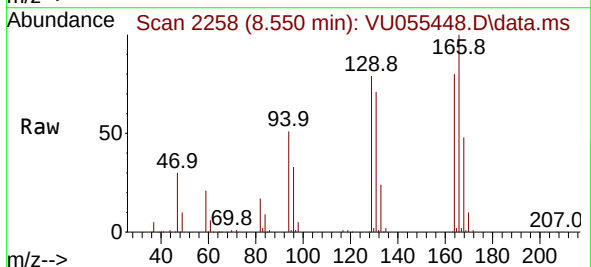
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

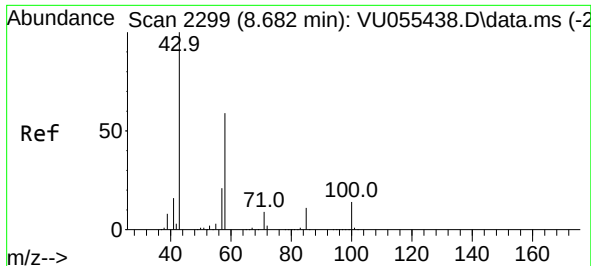
Tgt Ion:	97	Resp:	73528
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.1	81.9
83	84.4	61.5	114.1
85	53.6	39.5	73.3



#47
Tetrachloroethene
Concen: 5.450 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion:	164	Resp:	82688
Ion	Ratio	Lower	Upper
164	100		
129	98.0	67.4	125.2
131	89.1	66.4	123.2
166	124.7	88.8	165.0

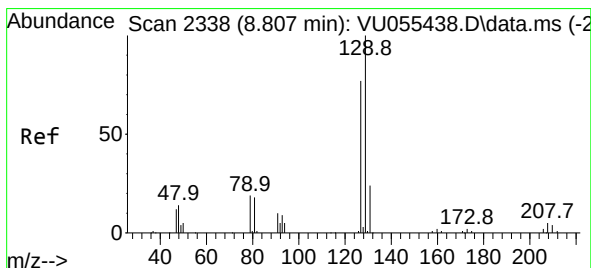
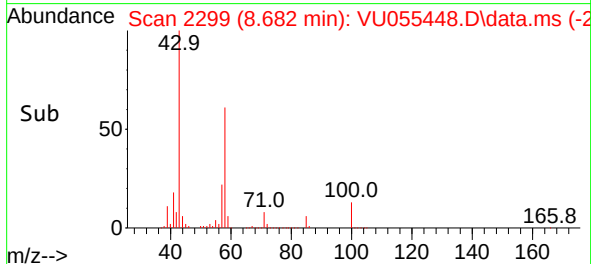
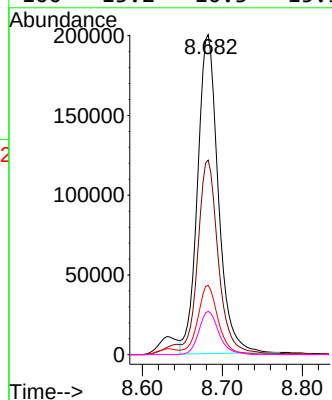
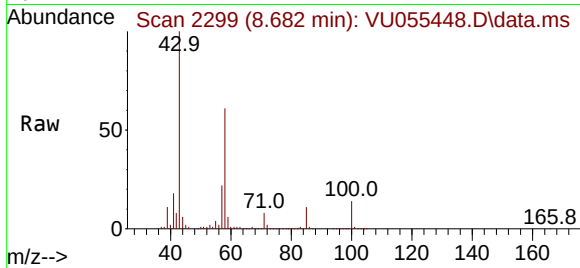




#48
2-Hexanone
Concen: 52.496 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

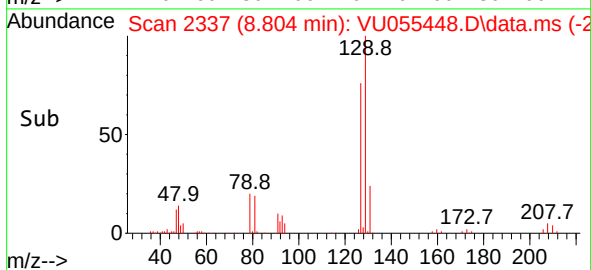
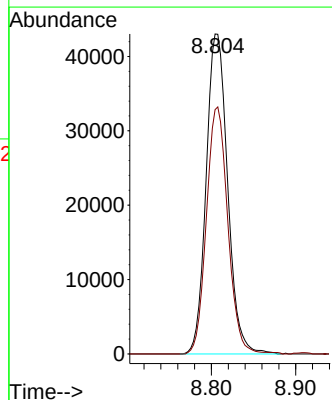
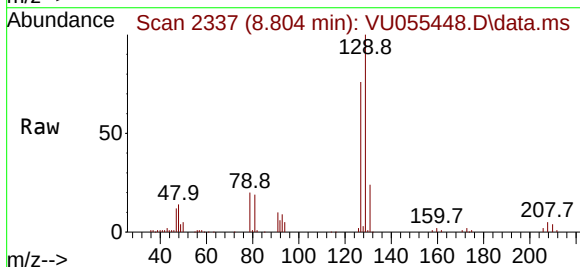
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

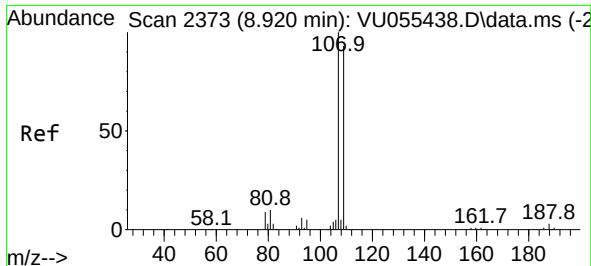
Tgt Ion: 43 Resp: 360925
Ion Ratio Lower Upper
43 100
58 63.4 48.5 72.7
57 21.3 17.0 25.4
100 13.2 10.3 15.5



#49
Dibromochloromethane
Concen: 5.309 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion: 129 Resp: 76314
Ion Ratio Lower Upper
129 100
127 76.4 56.8 105.6





#50

1,2-Dibromoethane

Concen: 5.159 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

DCJL2MS

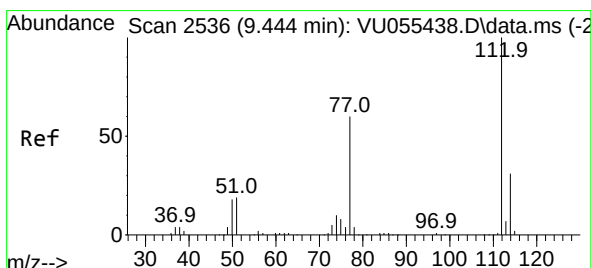
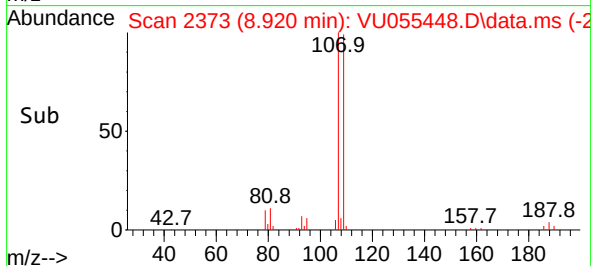
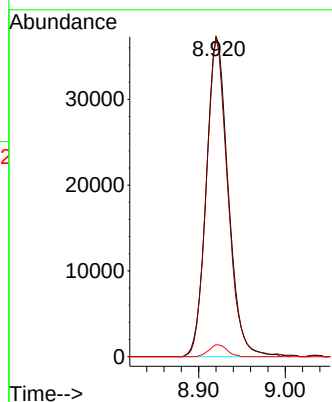
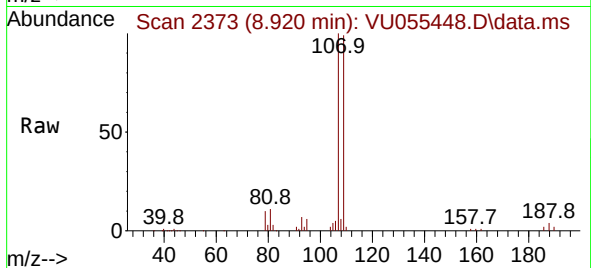
Tgt Ion:107 Resp: 65645

Ion Ratio Lower Upper

107 100

109 99.3 66.1 122.8

188 3.7 3.2 4.8



#51

Chlorobenzene

Concen: 5.156 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

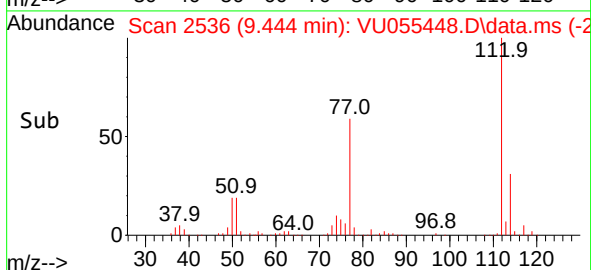
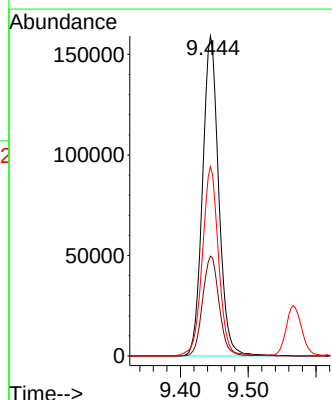
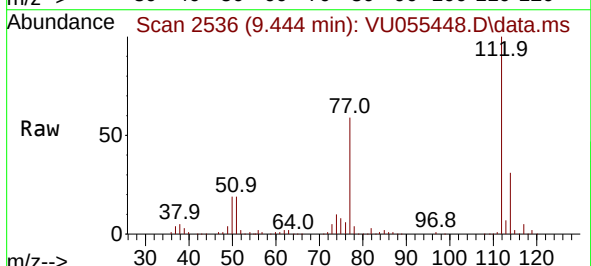
Tgt Ion:112 Resp: 263409

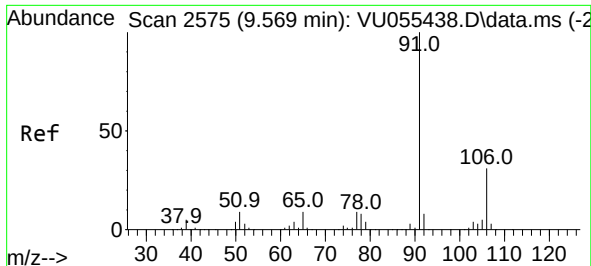
Ion Ratio Lower Upper

112 100

114 31.2 22.0 40.8

77 59.2 46.9 70.3

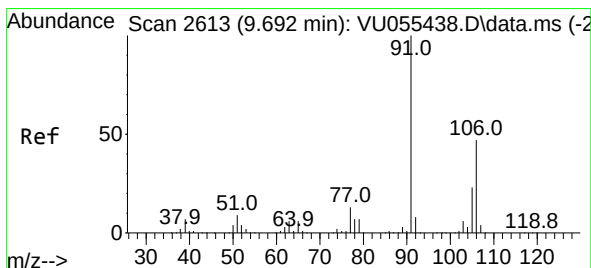
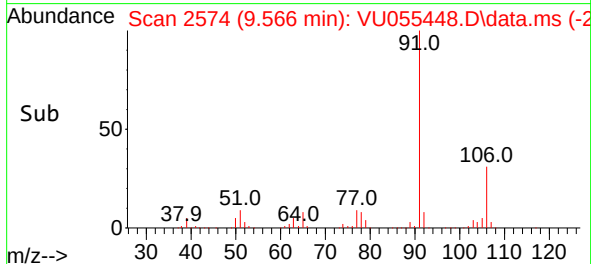
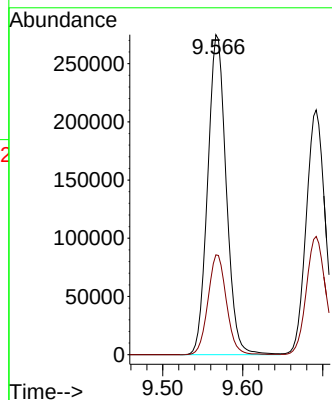
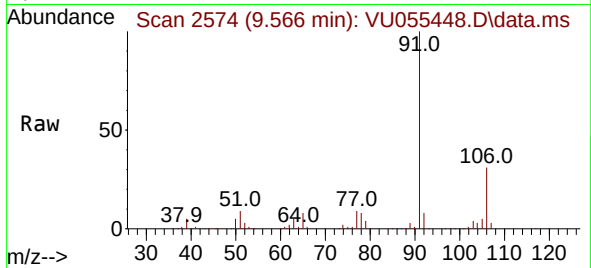




#52
Ethylbenzene
Concen: 5.178 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

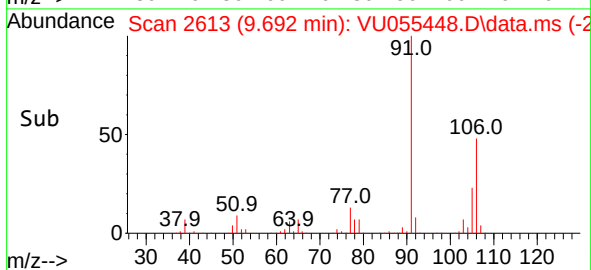
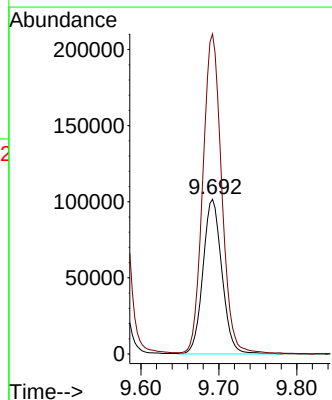
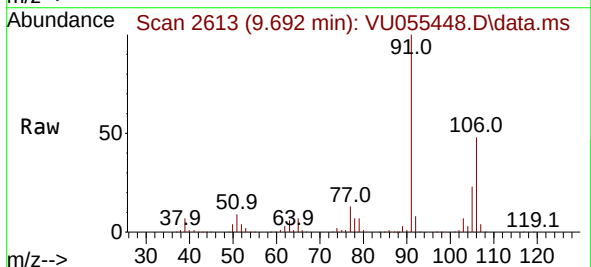
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

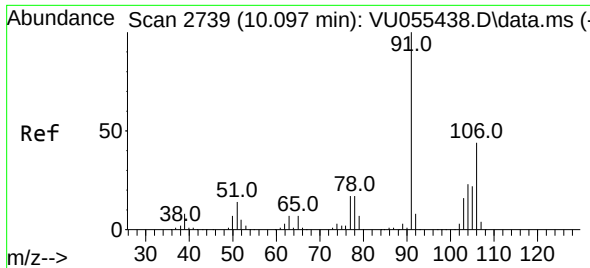
Tgt Ion: 91 Resp: 442798
Ion Ratio Lower Upper
91 100
106 31.2 22.4 41.6



#53
m,p-Xylene
Concen: 5.370 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion: 106 Resp: 172084
Ion Ratio Lower Upper
106 100
91 206.9 144.8 269.0

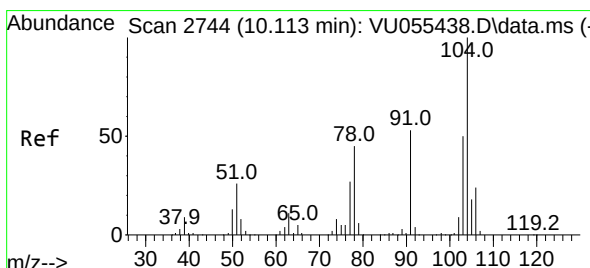
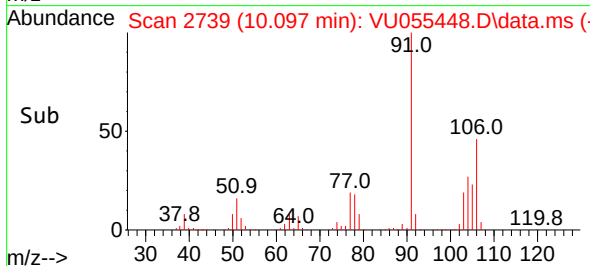
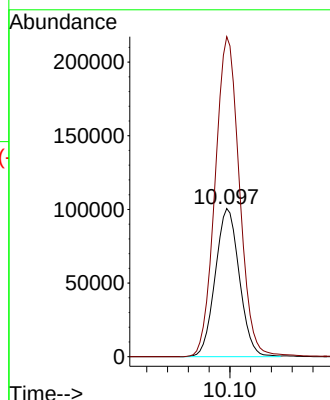
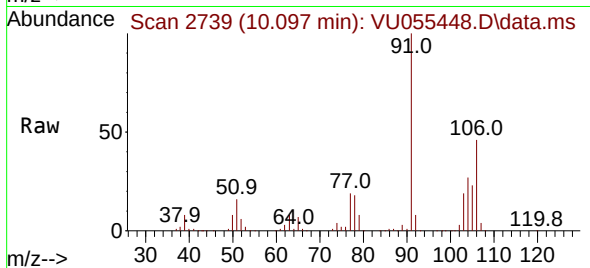




#54
o-Xylene
Concen: 5.194 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

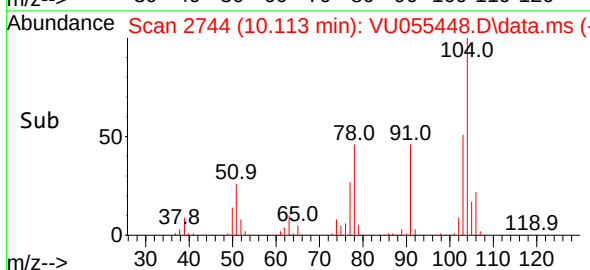
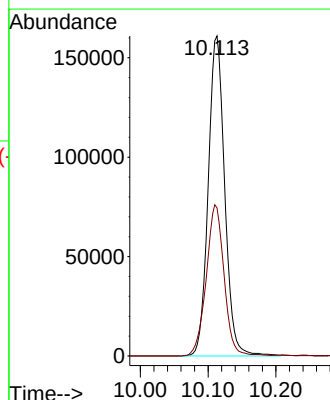
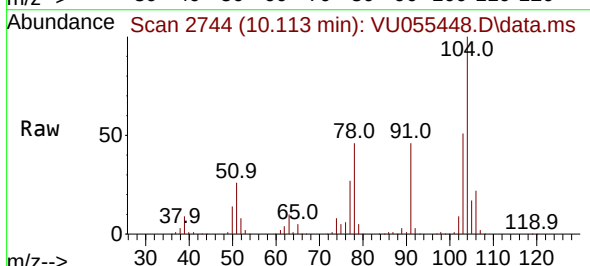
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

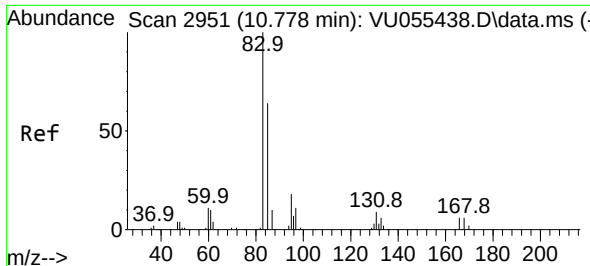
Tgt Ion:106 Resp: 161826
Ion Ratio Lower Upper
106 100
91 215.9 157.6 292.8



#55
Styrene
Concen: 5.406 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion:104 Resp: 272335
Ion Ratio Lower Upper
104 100
78 46.3 31.2 58.0

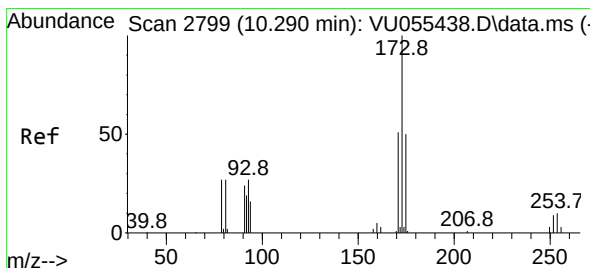
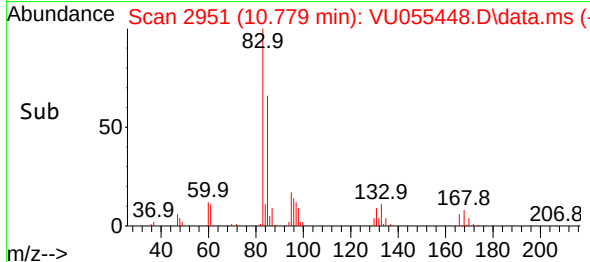
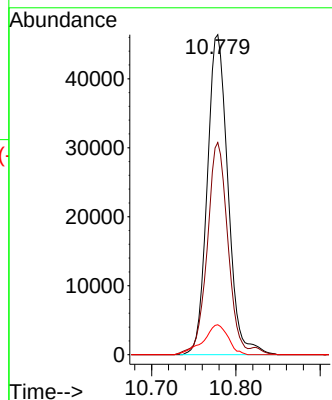
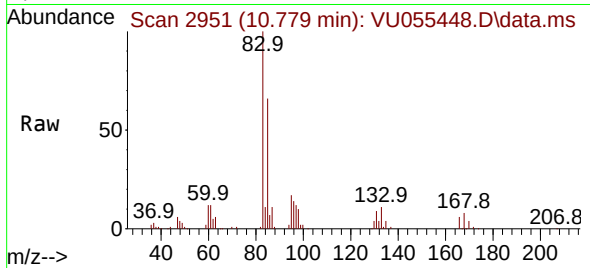




#57
1,1,2,2-Tetrachloroethane
Concen: 5.121 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

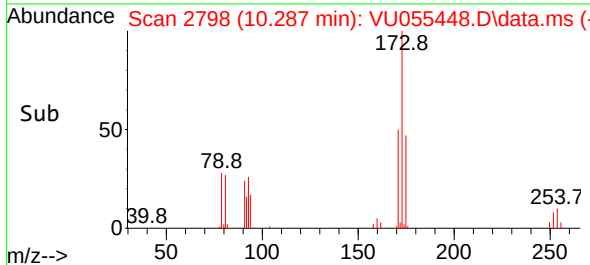
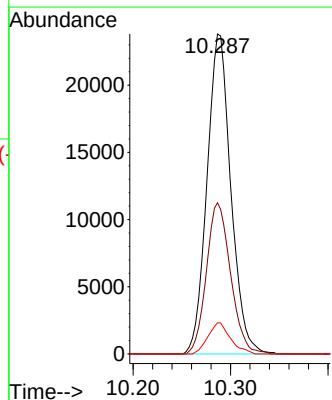
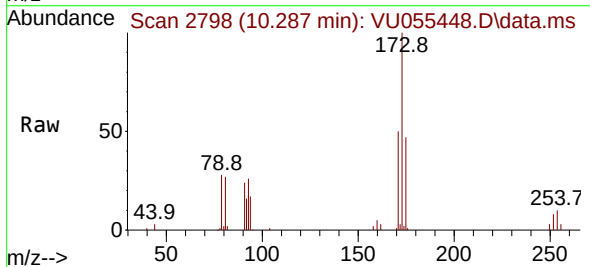
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

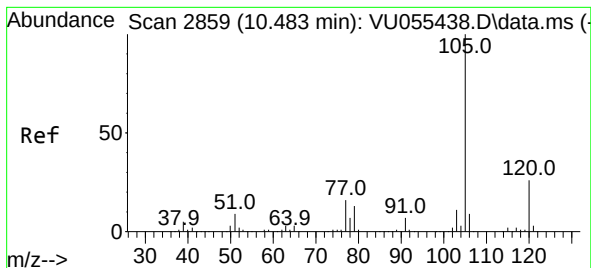
Tgt Ion:	83	Resp:	79270
Ion	Ratio	Lower	Upper
83	100		
85	66.3	44.4	82.5
131	9.3	7.4	11.2



#59
Bromoform
Concen: 5.118 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion:	173	Resp:	40500
Ion	Ratio	Lower	Upper
173	100		
175	47.8	39.4	59.2
254	9.2	7.3	10.9





#60

Isopropylbenzene

Concen: 5.104 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

DCJL2MS

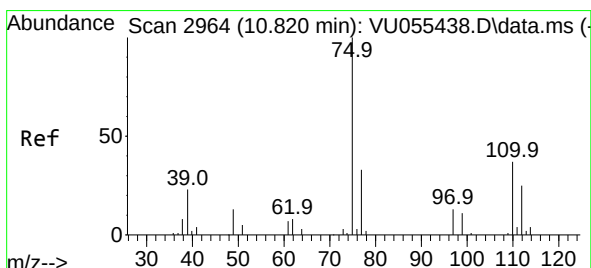
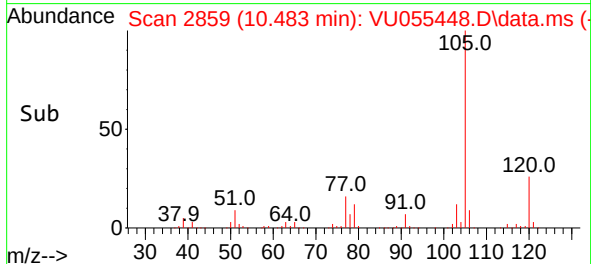
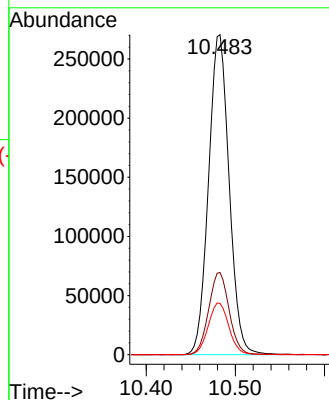
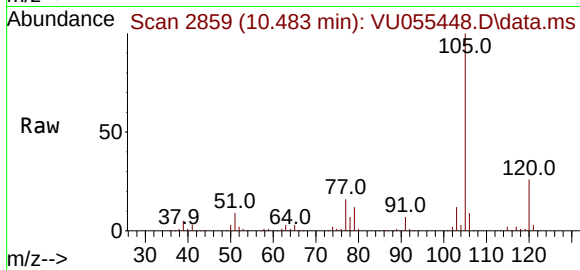
Tgt Ion:105 Resp: 434270

Ion Ratio Lower Upper

105 100

120 25.6 20.8 31.2

77 16.3 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.925 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

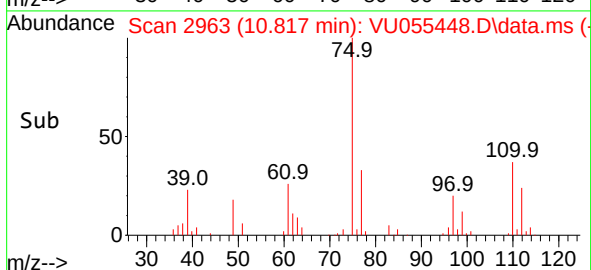
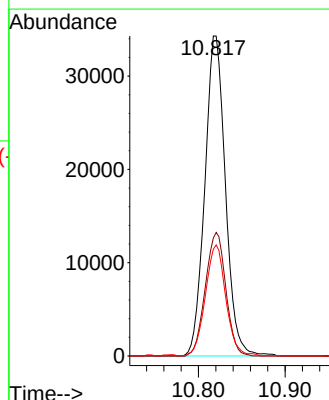
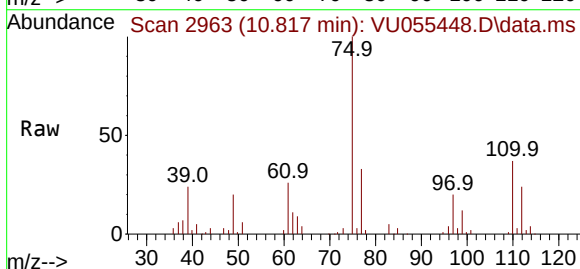
Tgt Ion: 75 Resp: 56751

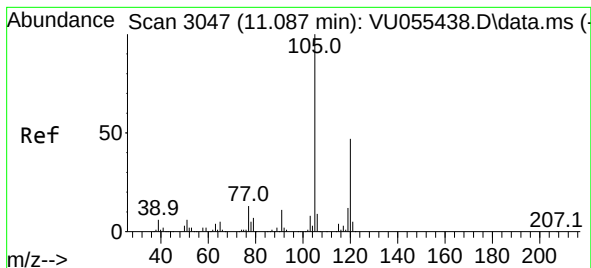
Ion Ratio Lower Upper

75 100

110 38.3 30.6 45.8

77 34.4 26.7 40.1





#62

1,3,5-Trimethylbenzene

Concen: 5.068 ug/L

RT: 11.084 min Scan# 3047

Delta R.T. -0.003 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

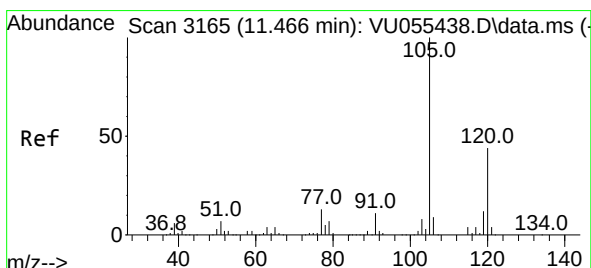
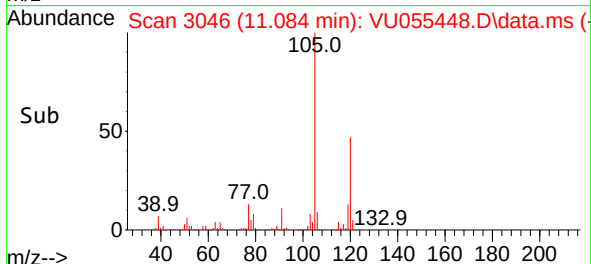
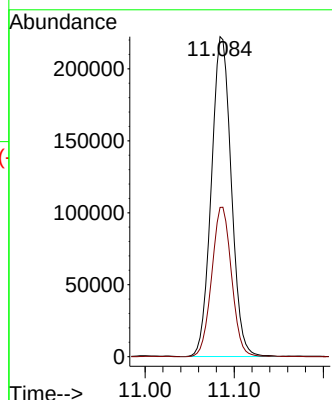
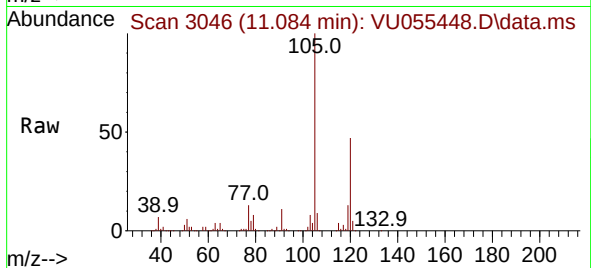
DCJL2MS

Tgt Ion:105 Resp: 344811

Ion Ratio Lower Upper

105 100

120 46.5 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 5.018 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055448.D

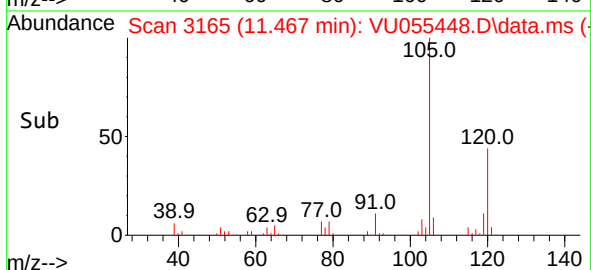
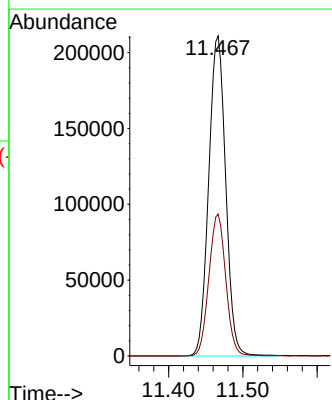
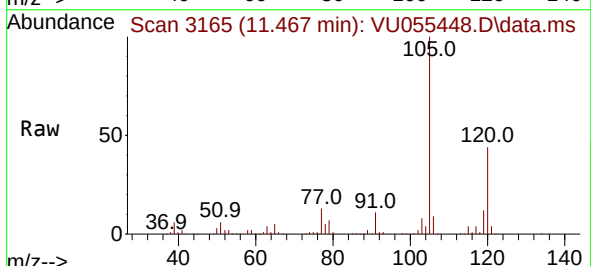
Acq: 21 Sep 2023 16:12

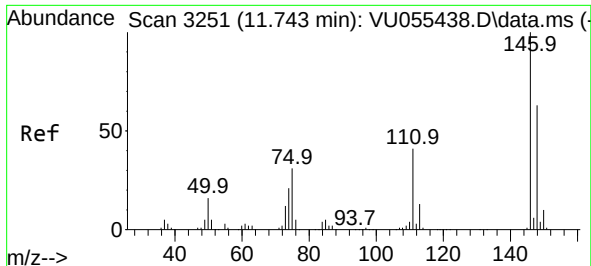
Tgt Ion:105 Resp: 334181

Ion Ratio Lower Upper

105 100

120 44.0 34.9 52.3

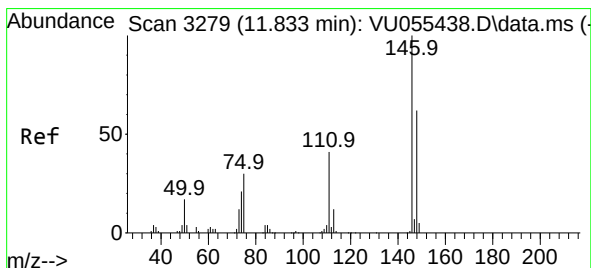
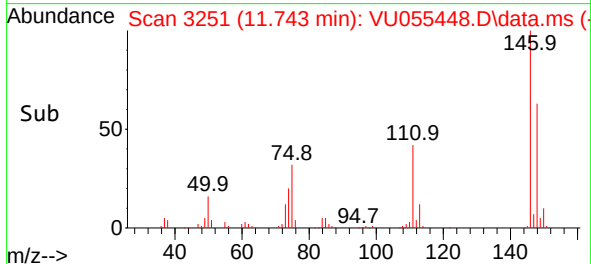
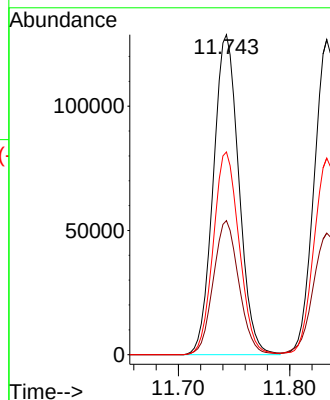
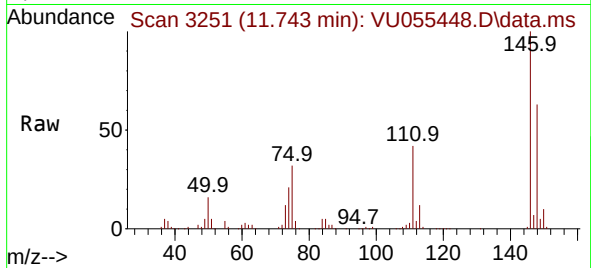




#64
1,3-Dichlorobenzene
Concen: 5.044 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

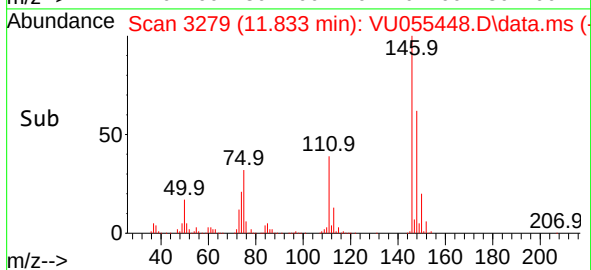
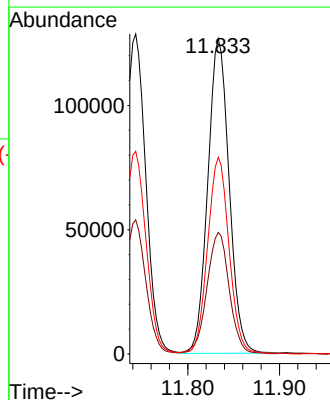
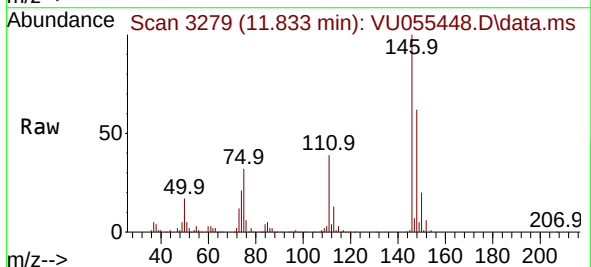
Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

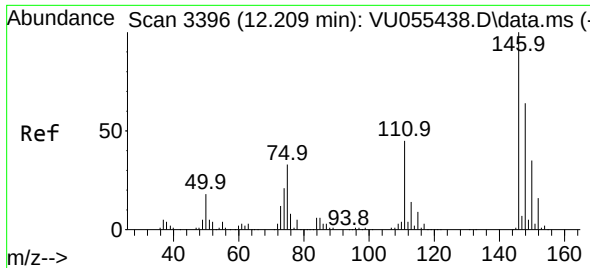
Tgt Ion:146 Resp: 205464
Ion Ratio Lower Upper
146 100
111 41.9 28.8 53.6
148 63.4 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.023 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion:146 Resp: 204505
Ion Ratio Lower Upper
146 100
111 38.6 29.0 53.8
148 62.4 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 4.988 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

Instrument :

MSVOA_U

ClientSampleId :

DCJL2MS

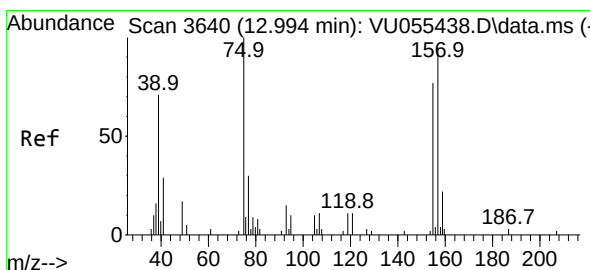
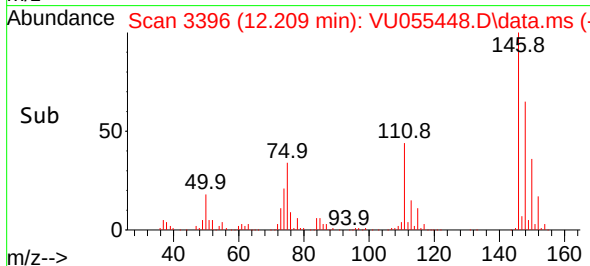
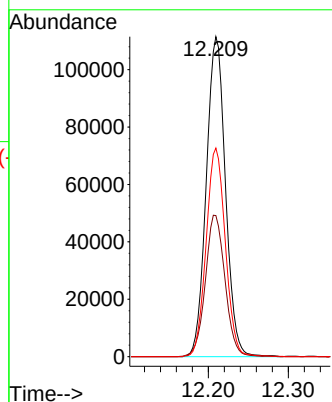
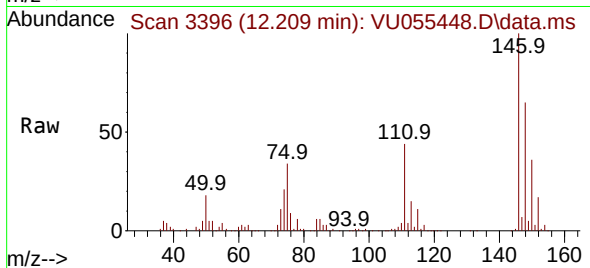
Tgt Ion:146 Resp: 186296

Ion Ratio Lower Upper

146 100

111 44.1 34.6 52.0

148 65.2 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.356 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055448.D

Acq: 21 Sep 2023 16:12

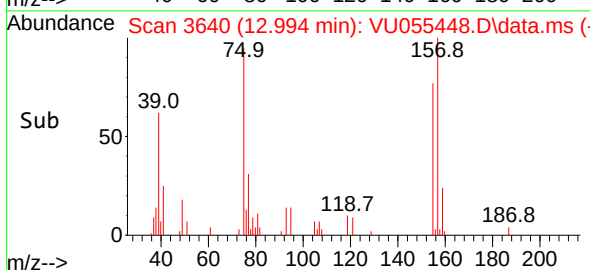
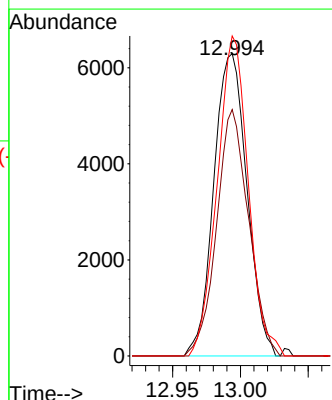
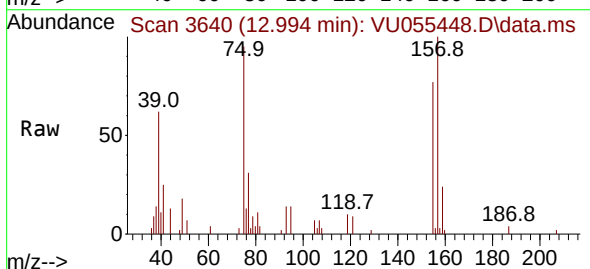
Tgt Ion: 75 Resp: 10699

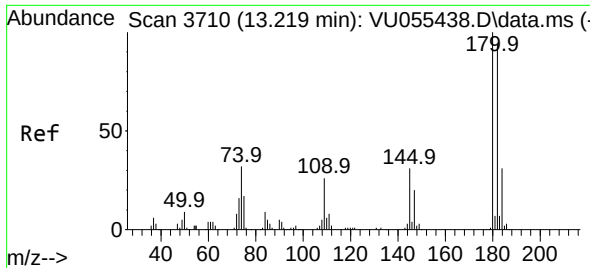
Ion Ratio Lower Upper

75 100

155 81.5 69.2 103.8

157 105.8 81.9 122.9

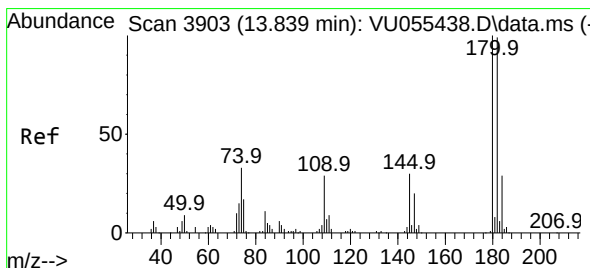
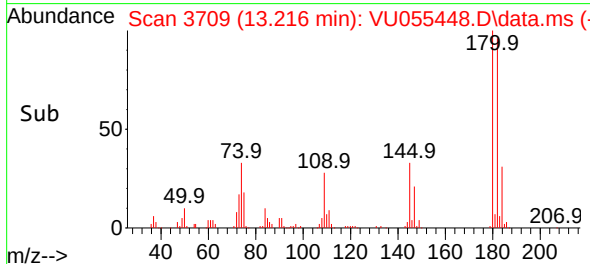
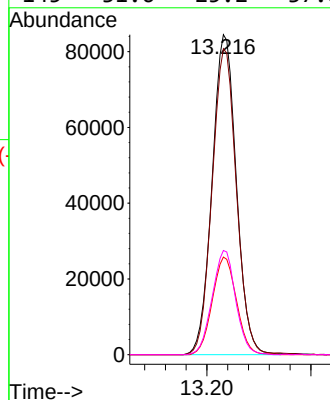
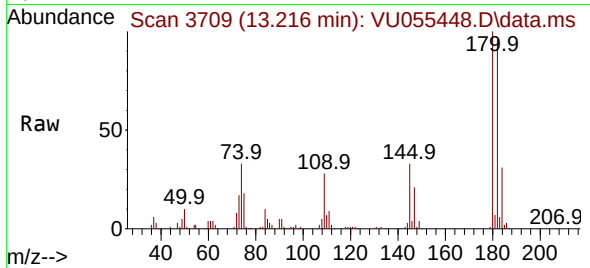




#69
 1,3,5-Trichlorobenzene
 Concen: 4.866 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

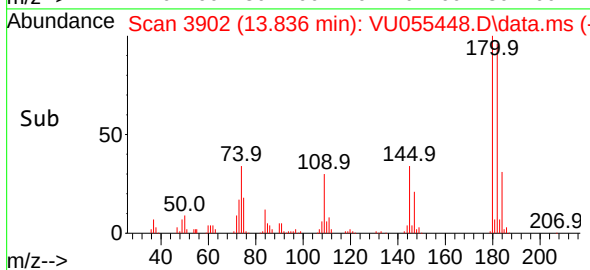
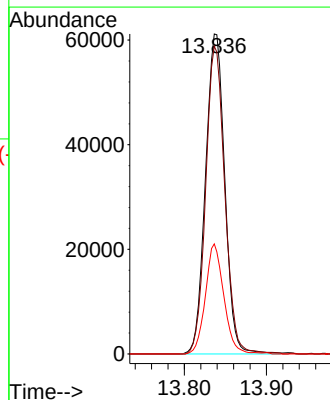
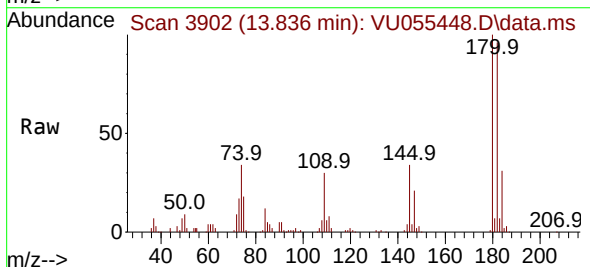
Instrument :
 MSVOA_U
 ClientSampleId :
 DCJL2MS

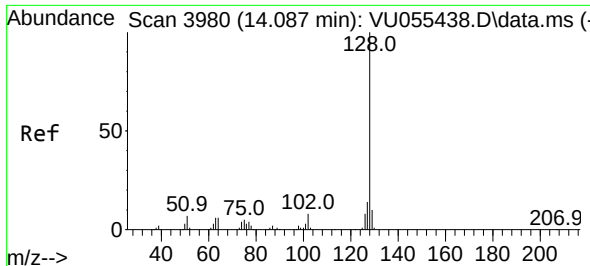
Tgt Ion:180 Resp: 136496
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.1 115.7
 184 30.5 24.0 36.0
 145 31.6 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.665 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.003 min
 Lab File: VU055448.D
 Acq: 21 Sep 2023 16:12

Tgt Ion:180 Resp: 99769
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.4 114.6
 145 32.9 25.4 38.0

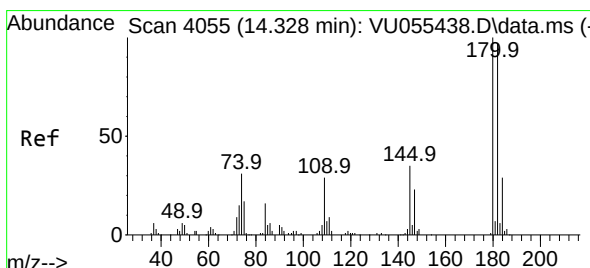
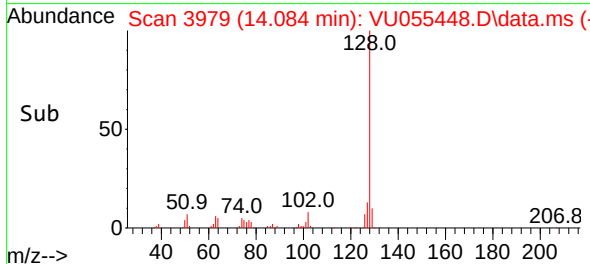
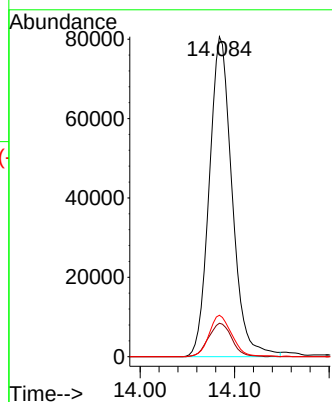
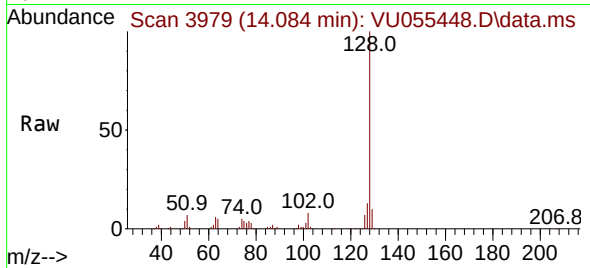




#71
Naphthalene
Concen: 4.366 ug/L
RT: 14.084 min Scan# 3980
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Instrument :
MSVOA_U
ClientSampleId :
DCJL2MS

Tgt Ion:128 Resp: 135164
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 13.0 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.660 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VU055448.D
Acq: 21 Sep 2023 16:12

Tgt Ion:180 Resp: 86726
Ion Ratio Lower Upper
180 100
182 95.4 76.2 114.4
145 34.8 26.0 39.0

